

**Summer Training at
Gujarat Medical Service Corporation Limited, Vadodara, Gujarat
(April 3 to June 2, 2017)**

Inventory Management Technique

**By
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**Under the guidance of
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**MBA Pharmaceutical Management
2016-2018**


School of Pharmaceutical Management
**The IIHMR University, Jaipur
2017**

CERTIFICATE

This is to certify that **Mr. Manu Dewangan** has undergone summer training at **Gujarat Medical Service Corporation Limited, Gandhinagar (Gujarat)** from **3rd April 2017 to 2nd June 2017**.

The candidate himself completed the project assign to him during summer training. His approach to the project was sincere and proactive. This summer training is in partial fulfillment of the course requirement recommended for the award of MBA in Pharmaceutical Management.

I wish him success in all his future endeavors.



Col (Dr.) Ashok Kaushik
Dean (Academic & Student Affair)
The IIHMR University, Jaipur



Mentor
Dr. N K Gurbani.
Professor
The IIHMR University, Jaipur

The certificate is awarded to

Manu Dewangan

In recognition of having successfully completed his

Summer training in the department of

Logistics & Supply chain

and has successfully completed his Project on

Inventory Management technique at Vadodara warehouse

3rd April, 2017 – 2nd June, 2017

At

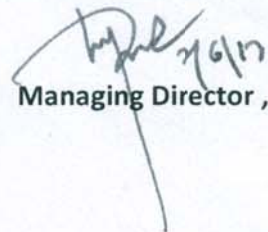
Gujarat Medical Services Corporation Limited

He comes across as a committed, sincere & diligent person who has a

strong drive and zeal for learning

We wish him all the best for future endeavors




Managing Director , GMSCL

ACKNOWLEDGEMENT

I have taken efforts in this project. However, it would not have been possible without the kind support and help of Gujarat Medical Service Corporation Ltd., our institute, project guide and colleagues. I would like to extend our sincere thanks to all of them.

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My thanks and appreciations also go to our family, our colleagues, and students of MBA PM 08 who have willingly supported us throughout the project.

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INTRODUCTION ABOUT THE ORGANIZATION

The Central Medical Stores Organization (C.M.S.O) was established in 1978 under Health and Family Welfare Department. Govt. of Gujarat and was entrusted with the functions of procurement, storage, distribution of medicines surgical goods medical equipment / instrument and insecticides for the health care institutions under Govt. of Gujarat.

With the changes in the healthcare arena there was a felt need of developing new as well as upgrading the existing functioning and processes of CMSO, and consequently develop an institution supported with necessary infrastructure to make the system responsive to meet the objectives of the universal health coverage. With the view to match the changing demands and pace of development in the sector, CMSO was transformed into "Gujarat Medical Services Corporation Limited" (GMSCL) as an autonomous body and was incorporated under companies act, for systematic procurement, inventory management, Management information system and to infuse professional management with establishment, development and strengthening the use of information technology in medical store organization

The Main Functions of GMSCL :

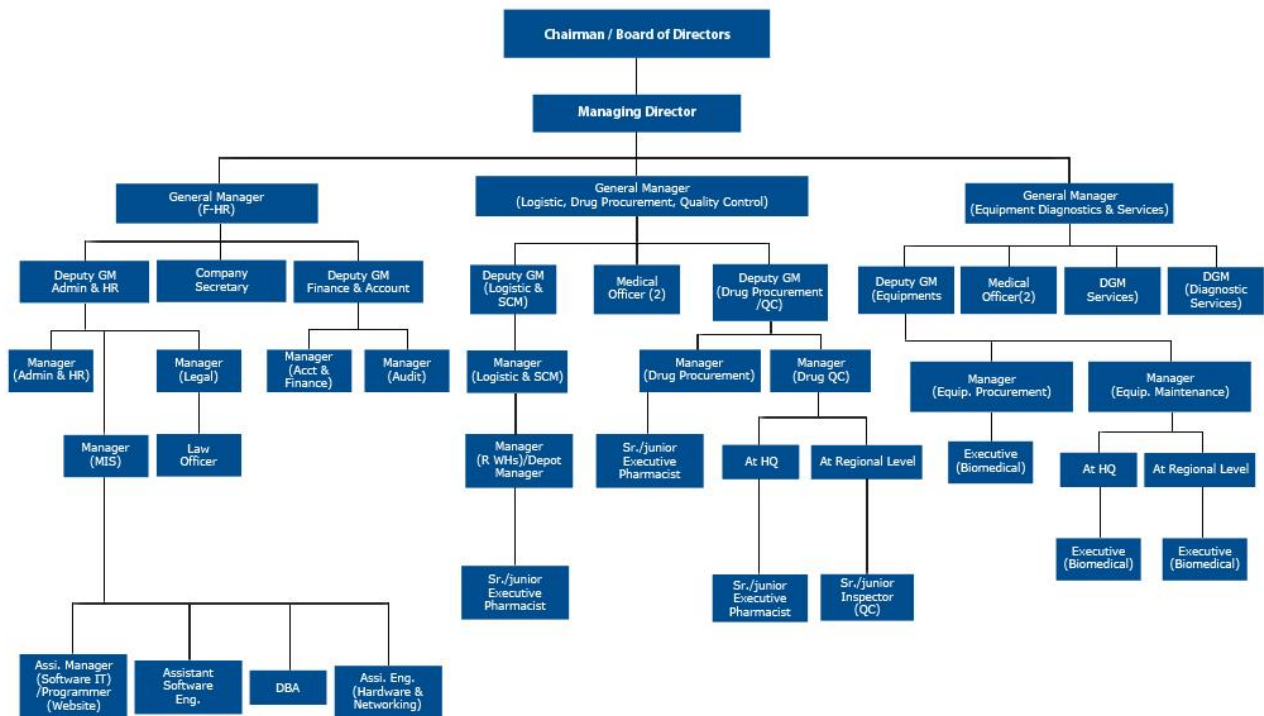
- Procurement of essential, lifesaving quality medicines, surgical goods & Insecticides, and their timely availability by creating highly decentralized storage capacity & distribution network.
- Procurement of quality medical equipment/Instrument and its maintenance for entire product life cycle.
- Establishment of Diagnostic Medical Service Centre for early diagnosis & ease of treatment for beneficiaries.

Organizational structure
Head of the Department of this Organization is the Managing Director of G.M.S.C.L. There are different branches working under the direct supervision of the Managing Director.

- **Drug Branch** – To carry out procurement of drugs.
- **Instruments (Industry) Branch** – To carry out procurement of Medical Equipment and Instruments
- **Computer Branch** – Computerization of G.M.S.C.L and Planning of G.M.S.C.L
- **Account Branch** – Payment of Bills, Preparation of Accounts.
- **Depot** – Storage and Distribution of drugs to 800 institutions of Gujarat State.
- **Quality Assurance Branch** – To ensure the quality of drugs.
- **Administrative Branch** – Establishment and Personnel work.

ORGANOGRAM

PROPOSED ORGANOGRAM of GMSCL



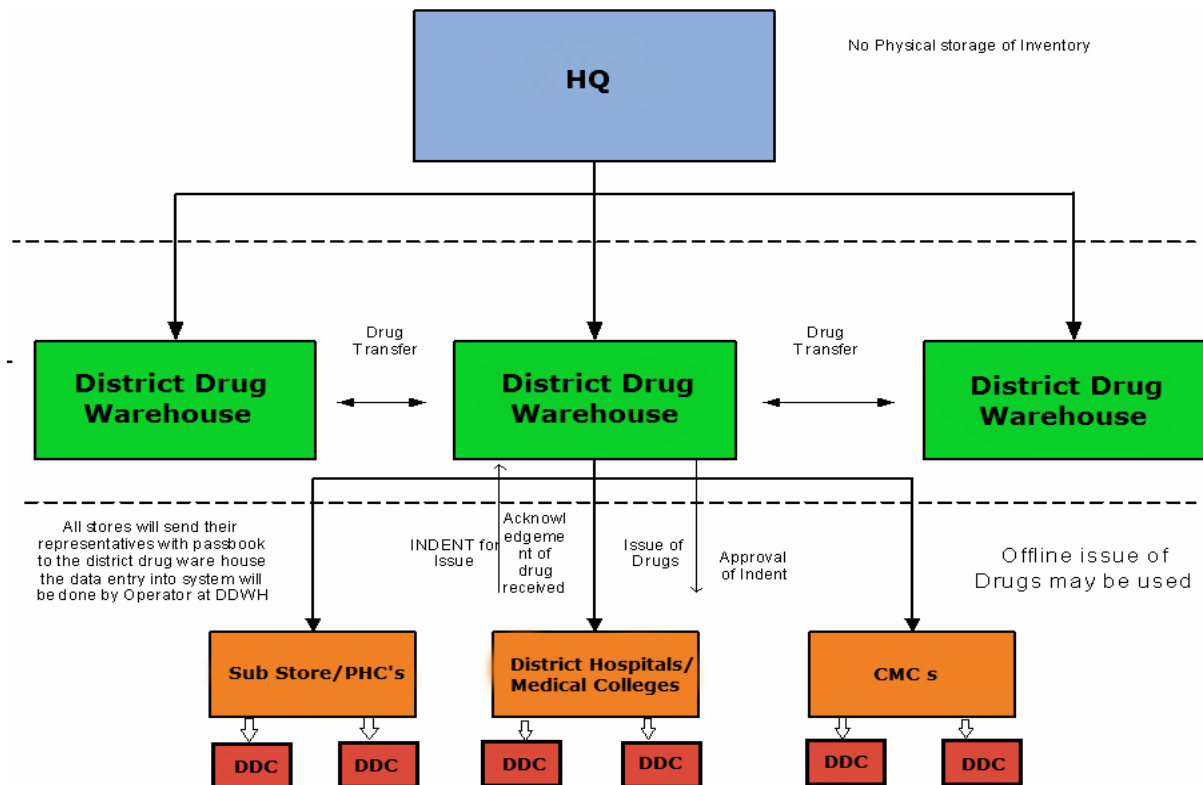
DRUG PROCUREMENT PROCESS

- GMSCL follows transparent procurement procedure by an Open tender invitation from reputed manufacturer.
- Indents for purchase of drugs are sent by the respective Direct Demanding Officers of State. Specifications for the purchase of drugs are prepared by the Expert Committee for EDL (Essential Drug List) and non EDL drugs. Specifications are prepared according to the requirement of hospitals by Expert Committee. After quantifying the indents GMSCL floats on-line tender as per purchase policy of CSPO, purchase policy of Health Department for purchase of Drugs and Equipment's and decision of Board of Director of GMSCL on M/s. (n) Code Solution, Ahmadabad, and advertisement is also published in daily newspapers for the same.
- Primary and technical scrutiny of the tender document is done by the technical experts as per the tender's General Terms & Conditions. After that agenda is submitted to concerned procurement committee (i.e. Local Level Committee (LLC), Managing Director Level Committee (MDLC), High Level Purchase Committee (HLPC), and Board Level Committee (BLC) as the case may be. As per the report of Technical Scrutiny, Commercial Bid of all acceptable offers is opened and comparative statement is prepared and L1 Firm is decided and awarded with tender. Market survey is being carried out by Market Intelligence Wing (MIW) for price comparison. Further purchase process carried out as per rate contract (RC).
- Purchase order is given as per total received demand & as per required schedule. Payment against the bill of the purchase is done by GMSCL.

DRUG PROCUREMENT PROCESS

- Drugs Inspector of GMSCL draws the samples from all depots of corporation and looks after statutory provisions as per the Drugs & Cosmetics act 1940 & rules there under.
- This procedure is followed after the receipt of the drugs to GMSCL, which provides another check point related to the quality of the drugs.
- Drugs Inspectors of Food & Drugs Control Administration also draw the samples from supplies made to Health Institutions.
- Based on sub-standard report of the drugs, recovery/replacement process is under taken,
- The same is informed to all direct demanding officers by circular.
- As per the policy of corporation, debarring process is followed.
- The name of debarred firms is also published on the website of GMSCL.

LOGISTIC AND SUPPLYCHAIN PROCESS



INTRODUCTION ABOUT PROJECT

“Inventory” means physical stock of goods, which is kept in hands for smooth and efficient running of future affairs of an organization at the minimum cost of funds blocked in inventories (Analysis of Inventory Control Techniques; A, March 2013 Volume 3)

inventory control is vitally important to almost every type of business, whether product or service oriented. Inventory control touches almost every facet of operations. Inventory control is the activities that maintain stock keeping items at desired levels (INVENTORY MANAGEMENT PRACTICES IN PHARMACIES ACROSS TRINIDAD AND TOBAGO, May-June 2012)

Inventory control is challenging in business. Managing control can directly affect business performance. The reason for having inventories or stocks is to buffer against demand and supply. Having too much inventory on hand means high holding cost, and having too little leads to a rise in ordering cost. Therefore, inventory management should be well planned to achieve the lowest possible total cost.

Classification of Inventory

Different inventory procedures have been developed to enhance inventory management in different purposes. With multiple product lines a firm has, inventory needs to be classified before making decision about inventory methods.

ABC Classification

ABC analysis is one the most widely used tool for materials management. It is also known as Pareto's Law or “80 – 20 Rule” (Coyle et al. 2003, 208). This classification has been conducted and developed by Vilfredo Pareto, an Italian philosopher and economist. He observed that a very large percentage of total national income and wealth was concentrated on a small percentage of population. This rule of thumb expresses that 80 % of total value is accounted by 20 % of items. This analysis is considered a universal principle. It is therefore widely used in many situations of businesses. (Inventory Management- A Case Study , 2014)

Class A represents 10 % of materials in inventory and 70 % of the inventory value.

Class B represents 20 % of materials in inventory and 20 % of the inventory value.

Class C represents 70 % of material in inventory and only 10 % of inventory value

Figure-1

Criteria	classes		
	A	B	C
Number of item	10%	20%	70%
Value of inventory	70%	20%	10%
Stock control	Strict	moderate	looses
Importance	High	moderate	low
Control effort	maximum	moderate	minimum
Fore cast	accurate	estimate	moderate

Advantage of ABC classification is that controlling small numbers of items amounting to 10-20 % will result in the control of 75-80 % of the monetary value of the inventory held.

VED ANALYSIS

The VED criticality analysis of all the listed items was performed by classifying the items into vital (V), essential (E) and desirable (D) categories.

v- The items critically needed for the survival of the patients and those that must be available always were included in the V category.

E-The items with a lower criticality need and those that may be available in the hospital were included in the E group.

D-The remaining items with lowest criticality, the shortage of which would not be detrimental to the health of the patients, were included in the D group. (ABC and VED Analysis of the Pharmacy Store of a Tertiary Care Teaching, Research and Referral Healthcare Institute of India, 2013)

Rationale for Having Inventory

- Economies of scale can be obtained by purchasing large volumes which allows cost reduction of per unit fixed cost. Also, transportation can get economies of scale through utilization by moving larger volume of product
- Protection from uncertainties is a primary reason for holding inventory. Having stock on hand can reduce risk of shortage or stock out situation which might lead to inefficient supply of product and lack of reliability from the customer.

Research question

- What are the different inventory management technique that can be implemented in the vadodara ware house?
- What is the benefit and efficiency of each inventory management technique?
- Which is the most effective inventory management technique that for the Surat ware house?

Aim

- To find out the effective inventory management technique that can be implemented
In the Surat ware house

Objective

- To find out the A, B &C Class of Drug for ABC Analysis of inventory control technique
- To find out Vital, Essential, and Desirable class of Drug for VED Analysis
- To find out how much percentage of inventory value that each category of Drug constitutes

Data collection: Primary source of Data collection

Data was collected from the warehouse

Methodology

ABC Analysis

- the data of annual Demand of each item of the Ware House for the financial year 20017-18 were collected.
- The data were then transferred in an MS Excel spreadsheet.
- Then the unit price of each item was calculated
- Then the expenditure of each item was calculated
- The cumulative percentage of expenditure and the cumulative percentage of number of items were calculated.
- This list was then subdivided into three categories that is A, B and C based on the cumulative Expenditure percentage of 70%, 20% and 10%, respectively
- The statistical analysis was carried out using the MS Excel statistical functions.

VED Analysis

- The VED Analysis was performed by classifying Each item into vital (V), essential (E) and Desirable (D) categories.
- Those items Which is critically need for the survival of the patients and those that must be available at all the time were included in the V category.
- Those items with a lower criticality need and those that may be available, and absence of these item may stop the work for some duration or day included in the E group
- Those remaining items with lowest criticality, the shortage of which would not be detrimental to the health of the patients and absence of these item may not stop the work flow were included in the D group.
- All the drug is categorise as Vital, Essential, and Desirable with the discussion and view of the medical officer, Depot manager senior pharmacist and junior pharmacist.
- Then all the data was transferred into excel spread sheet and with the help of statistical tool the percentage of each item form the inventory and how much percentage of inventory value that each item constitute was determined

FINDING AND RESULT FOR ABC ANALYSIS

Figure-2

SL NO	ITEM CODE	STOCK IN HAND	UNIT PRICE	EXPENDETURE	EXPENDETURE %	CUMMULATIVE EXPENDETURE %	CATEGORY
A items-							
1	2097	4596	550.0431527	2527998.33	2.8076438%	4.7630080%	A
2	2142	600	3483	2089800	2.3209723%	7.0839803%	A
3	2028	141570	11.899	1684541.43	1.8708843%	8.9548646%	A
4	1016	1223900	1.299791568	1590814.9	1.7667898%	10.7216544%	A
5	6155	126420	11.47	1450037.4	1.6104396%	12.3320940%	A
6	1185	341400	3.85	1314390	1.4597870%	13.7918810%	A
7	2024	99960	12	1199520	1.3322101%	15.1240911%	A
8	2280	1260	859	1082340	1.2020677%	16.3261588%	A
9	4278	46950	21.75	1021162.5	1.1341228%	17.4602816%	A
10	1168	1647600	0.538	886408.8	0.9844628%	18.4447444%	A
11	3054	37072	23.83	883425.76	0.9811497%	19.4258941%	A
12	3086	436369	1.992855359	869620.3	0.9658171%	20.3917113%	A
13	6136	34400	24.4648	841589.12	0.9346852%	21.3263964%	A
14	1006	1068700	0.724	773738.8	0.8593293%	22.1857257%	A
15	1173	3766900	0.192769999	726145.31	0.8064710%	22.9921967%	A
16	6174	100343	6.976799976	700073.04	0.7775147%	23.7697114%	A
17	1113	1234600	0.535104495	660640.01	0.7337196%	24.5034310%	A
18	4293	2700	243.5833333	657675	0.7304266%	25.2338575%	A
19	1199	288700	2.173678559	627541	0.6969592%	25.9308167%	A
20	4027	34464	18	620352	0.6889749%	26.6197916%	A
21	1254	33980	17	577660	0.6415604%	27.2613520%	A
22	3098	5855	97.89299744	573163.5	0.6365665%	27.8979185%	A
23	2147	50077	11.21	561363.17	0.6234608%	28.5213793%	A
24	6170	78544	6.97680001	547985.78	0.6086036%	29.1299829%	A
25	6172	78297	6.976800005	546262.51	0.6066897%	29.7366726%	A
26	1018	1331500	0.38862	517447.53	0.5746872%	30.3113598%	A
27	4292	2820	181.9166667	513005	0.5697533%	30.8811131%	A
28	6173	71354	6.976800039	497822.59	0.5528914%	31.4340045%	A
29	3030	10110	48.44	489728.4	0.5439018%	31.9779064%	A

30	3140	20655	23.52	485805.6	0.5395451%	32.5174514%	A
31	3174	60703	7.92	480767.76	0.5339500%	33.0514014%	A
32	4291	1860	247.9166667	461125	0.5121343%	33.5635358%	A
33	6171	64207	6.976800037	447959.4	0.4975124%	34.0610481%	A
34	4179	6517	68.71552401	447819.07	0.4973565%	34.5584047%	A
35	4017	112620	3.97	447101.4	0.4965595%	35.0549641%	A
36	1114	1461100	0.285235706	416757.89	0.4628594%	35.5178235%	A
37	1288	579500	0.71	411445	0.4569588%	35.9747823%	A
38	4305	73851	5.5	406180.5	0.4511119%	36.4258942%	A
39	4198	5593	72.00563204	402727.5	0.4472770%	36.8731712%	A
40	4294	2736	145.25	397404	0.4413646%	37.3145357%	A
41	2219	1578	251	396078	0.4398919%	37.7544276%	A
42	1039	948700	0.415	393710.5	0.4372625%	38.1916901%	A
43	1267	179900	2.13	383187	0.4255749%	38.6172650%	A
44	2305	12068	30.45193901	367494	0.4081459%	39.0254110%	A
45	4002	2417	146.7036823	354582.8	0.3938065%	39.4192175%	A
46	3088	62928	5.561979405	350004.24	0.3887215%	39.8079389%	A
47	1319	1447200	0.24	347328	0.3857492%	40.1936881%	A
48	4028	10957	31.2338359	342229.14	0.3800863%	40.5737744%	A
49	2113	53640	6.24	334713.6	0.3717394%	40.9455138%	A
50	3106	78	4210.5	328419	0.3647485%	41.3102623%	A
51	4190	75421	4.35	328081.35	0.3643735%	41.6746358%	A
52	1127	1517800	0.214379997	325385.96	0.3613799%	42.0360158%	A
53	4004	7232	41.87025442	302805.68	0.3363018%	42.3723176%	A
54	1251	2092400	0.139950043	292831.47	0.3252243%	42.6975419%	A
55	4005	4630	60.4722203	279986.38	0.3109583%	43.0085002%	A
				36964182.42			
B items-							
56	1061	2727300	0.099909999	272484.54	0.3026266%	43.3111268%	B
57	4037	14784	18	266112	0.2955491%	43.6066759%	B
58	3200	51317	5.152416938	264406.58	0.2936551%	43.9003310%	B
59	3235	2859	91.99	262999.41	0.2920922%	44.1924232%	B
60	2229	15384	16.85	259220.4	0.2878952%	44.4803184%	B
61	6157	2575	100	257500	0.2859845%	44.7663029%	B
62	2125	48750	5.13	250087.5	0.2777520%	45.0440549%	B
63	4189	55576	4.4	244534.4	0.2715846%	45.3156396%	B
64	4289	936	257.75	241254	0.2679414%	45.5835809%	B
65	2262	1330	179	238070	0.2644051%	45.8479861%	B
66	4295	1104	207.4166667	228988	0.2543185%	46.1023046%	B
67	1172	204400	1.12	228928	0.2542519%	46.3565564%	B
68	1031	314000	0.72389	227301.46	0.2524454%	46.6090018%	B
69	1096	596500	0.38	226670	0.2517441%	46.8607459%	B
70	4035	444	485	215340	0.2391608%	47.0999067%	B
71	3036	38595	5.469406141	211091.73	0.2344426%	47.3343492%	B

72	1155	351700	0.59	207503	0.2304568%	47.5648061%	B
73	1240	62200	3.33	207126	0.2300381%	47.7948442%	B
74	2143	152700	1.35	206145	0.2289486%	48.0237929%	B
75	1034	344600	0.598039756	206084.5	0.2288814%	48.2526743%	B
76	1029	1275500	0.15396	196375.98	0.2180990%	48.4707733%	B
77	6158	1925	100	192500	0.2137942%	48.6845675%	B
78	1044	155700	1.224947977	190724.4	0.2118222%	48.8963897%	B
79	3223	11878	15.89	188741.42	0.2096199%	49.1060096%	B
80	1017	263400	0.714613895	188229.3	0.2090511%	49.3150607%	B
81	4024	42611	4.391436953	187123.52	0.2078230%	49.5228837%	B
82	1287	923000	0.19796	182717.08	0.2029291%	49.7258128%	B
83	6160	1825	100	182500	0.2026880%	49.9285008%	B
84	6169	1825	100	182500	0.2026880%	50.1311888%	B
85	3117	27723	6.22	172437.06	0.1915119%	50.3227008%	B
86	1247	11500	14.4	165600	0.1839186%	50.5066193%	B
87	3243	1650	99.50363636	164181	0.1823426%	50.6889619%	B
88	3105	28992	5.636760141	163420.95	0.1814985%	50.8704604%	B
89	2198	1421	114.38	162533.98	0.1805134%	51.0509738%	B
90	3142	21859	7.328615673	160196.21	0.1779170%	51.2288908%	B
91	2151	4130	38.75	160037.5	0.1777407%	51.4066315%	B
92	1253	12800	12.5	160000	0.1776991%	51.5843306%	B
93	1121	162100	0.971	157399.1	0.1748105%	51.7591411%	B
94	3100	1945	79.79	155191.55	0.1723587%	51.9314999%	B
95	2049	122825	1.26	154759.5	0.1718789%	52.1033788%	B
96	6168	1525	100	152500	0.1693695%	52.2727482%	B
97	3057	8447	17.33100746	146395.02	0.1625891%	52.4353373%	B
98	2012	70	2088	146160	0.1623281%	52.5976655%	B
99	1038	2517300	0.0575	144744.75	0.1607563%	52.7584218%	B
100	3002	42172	3.4	143384.8	0.1592459%	52.9176677%	B
101	3218	864	165.32	142836.48	0.1586370%	53.0763047%	B
102	4006	568	249.4	141659.2	0.1573294%	53.2336341%	B
103	1131	399900	0.35	139965	0.1554478%	53.3890820%	B
104	3060	15491	8.8	136320.8	0.1514005%	53.5404825%	B
105	2044	9421	13.91	131046.11	0.1455423%	53.6860248%	B
106	3138	13152	9.75	128232	0.1424169%	53.8284418%	B
107	6167	1235	100	123500	0.1371615%	53.9656033%	B
108	1084	1564900	0.075827465	118662.4	0.1317888%	54.0973920%	B
109	2302	1940	61	118340	0.1314307%	54.2288227%	B
110	1198	534700	0.215	114960.5	0.1276774%	54.3565001%	B
111	4304	408	278.75	113730	0.1263107%	54.4828108%	B
112	6164	1125	100	112500	0.1249447%	54.6077555%	B
113	1021	221100	0.508	112318.8	0.1247434%	54.7324989%	B
114	6161	1095	100	109500	0.1216128%	54.8541117%	B
115	6163	1050	100	105000	0.1166150%	54.9707268%	B

116	1086	1089900	0.094	102450.6	0.1137836%	55.0845104%	B
117	3018	260	380	98800	0.1097292%	55.1942396%	B
118	4055	4352	22.5	97920	0.1087518%	55.3029914%	B
119	2047	995	95	94525	0.1049813%	55.4079727%	B
120	4044	4776	19	90744	0.1007820%	55.5087547%	B
C items-							
121	6078	12800	6.936	88780.8	0.0986017%	55.6073564%	C
122	4288	516	168.9166667	87161	0.0968027%	55.7041591%	C
123	2260	3263	26.1	85164.3	0.0945851%	55.7987442%	C
124	6165	850	100	85000	0.0944026%	55.8931469%	C
125	3245	5211	16.25	84678.75	0.0940459%	55.9871927%	C
126	2214	5468	15.4	84207.2	0.0935221%	56.0807149%	C
127	6159	825	100	82500	0.0916261%	56.1723410%	C
128	1125	280000	0.2727	76356	0.0848025%	56.2571434%	C
129	2197	208	361.43	75177.44	0.0834935%	56.3406369%	C
130	1325	94700	0.7879	74614.13	0.0828679%	56.4235048%	C
131	3139	3350	21.94	73499	0.0816294%	56.5051343%	C
132	6162	725	100	72500	0.0805199%	56.5856542%	C
133	4009	2402	29.8	71579.6	0.0794977%	56.6651518%	C
134	1128	114900	0.6201	71249.49	0.0791311%	56.7442829%	C
135	4303	288	247.25	71208	0.0790850%	56.8233679%	C
136	1276	419760	0.165714003	69560.11	0.0772548%	56.9006227%	C
137	3058	11917	5.8	69118.6	0.0767645%	56.9773871%	C
138	2066	18390	3.749	68944.11	0.0765707%	57.0539578%	C
139	1147	28400	2.3999	68157.16	0.0756967%	57.1296545%	C
140	1272	29200	2.255078082	65848.28	0.0731324%	57.2027868%	C
141	1071	115600	0.5657	65394.92	0.0726289%	57.2754157%	C
142	2046	595	104.5	62177.5	0.0690555%	57.3444712%	C
143	1124	85400	0.68	58072	0.0644959%	57.4089671%	C
144	2215	3570	16.2	57834	0.0642316%	57.4731987%	C
145	4015	118300	0.435	51460.5	0.0571530%	57.5303517%	C
146	2039	16625	2.9796	49535.85	0.0550155%	57.5853672%	C
147	2027	1700	28.791	48944.7	0.0543589%	57.6397261%	C
148	1090	227000	0.2142	48623.4	0.0540021%	57.6937282%	C
149	3203	1190	40.5	48195	0.0535263%	57.7472545%	C
150	3175	441	108.57	47879.37	0.0531758%	57.8004303%	C
151	1320	79700	0.58	46226	0.0513395%	57.8517698%	C
152	6166	450	100	45000	0.0499779%	57.9017476%	C
153	1313	36200	1.24	44888	0.0498535%	57.9516011%	C
154	1051	55500	0.7926	43989.3	0.0488554%	58.0004565%	C
155	2124	4530	9.7	43941	0.0488017%	58.0492582%	C
156	3241	336	130	43680	0.0485119%	58.0977700%	C
157	4020	50200	0.862878486	43316.5	0.0481081%	58.1458782%	C
158	3026	10930	3.96	43282.8	0.0480707%	58.1939489%	C

159	4036	1044	39.1666954	40890.03	0.0454133%	58.2393622%	C
160	2276	400	101	40400	0.0448690%	58.2842312%	C
161	6137	1100	36.694	40363.4	0.0448284%	58.3290596%	C
162	1087	258900	0.155701815	40311.2	0.0447704%	58.3738300%	C
163	2187	14425	2.778249567	40076.25	0.0445095%	58.4183394%	C
164	2034	5048	7.7	38869.6	0.0431693%	58.4615087%	C
165	2014	2000	19.08	38160	0.0423812%	58.5038900%	C
166	1260	11700	3.2381	37885.77	0.0420767%	58.5459666%	C
167	4137	1596	22.09015038	35255.88	0.0391559%	58.5851225%	C
168	4021	32400	1.0672	34577.28	0.0384022%	58.6235247%	C
169	3134	2341	14.77	34576.57	0.0384014%	58.6619261%	C
170	3214	3860	8.89	34315.4	0.0381113%	58.7000375%	C
171	4140	1488	22.12736559	32925.52	0.0365677%	58.7366052%	C
172	1237	43000	0.76	32680	0.0362950%	58.7729002%	C
173	2248	922	35	32270	0.0358397%	58.8087399%	C
174	1208	18689	1.726196693	32260.89	0.0358296%	58.8445695%	C
175	4143	1332	23.33333333	31080	0.0345180%	58.8790875%	C
176	4228	994	30.75	30565.5	0.0339466%	58.9130342%	C
177	4142	1212	25	30300	0.0336518%	58.9466859%	C
178	3029	3509	8.458255913	29680.02	0.0329632%	58.9796491%	C
179	3003	4968	5.95	29559.6	0.0328295%	59.0124786%	C
180	4153	1296	22.5	29160	0.0323857%	59.0448643%	C
181	2278	905	31.85	28824.25	0.0320128%	59.0768770%	C
182	2023	1979	13.85	27409.15	0.0304411%	59.1073182%	C
183	2025	5490	4.88	26791.2	0.0297548%	59.1370730%	C
184	2244	3380	7.9	26702	0.0296558%	59.1667287%	C
185	4146	1128	22.83333333	25756	0.0286051%	59.1953339%	C
186	4117	2052	12.5	25650	0.0284874%	59.2238212%	C
187	1178	49700	0.51	25347	0.0281509%	59.2519721%	C
188	1283	29300	0.864	25315.2	0.0281156%	59.2800877%	C
189	2263	20	1260.34	25206.8	0.0279952%	59.3080828%	C
190	2029	3090	8.141877023	25158.4	0.0279414%	59.3360242%	C
191	2228	1550	15.96	24738	0.0274745%	59.3634987%	C
192	3015	3890	6.24	24273.6	0.0269587%	59.3904575%	C
193	2135	322	74.99	24146.78	0.0268179%	59.4172753%	C
194	4283	1872	12.66666667	23712	0.0263350%	59.4436103%	C
195	1250	58300	0.4	23320	0.0258996%	59.4695100%	C
196	4155	996	23.33333333	23240	0.0258108%	59.4953208%	C
197	3143	7650	3	22950	0.0254887%	59.5208095%	C
198	4013	52300	0.435	22750.5	0.0252671%	59.5460766%	C
199	3023	178	127	22606	0.0251067%	59.5711833%	C
200	3080	173	129	22317	0.0247857%	59.5959690%	C
201	1227	88200	0.25	22050	0.0244892%	59.6204581%	C
202	3209	1595	13.79	21995.05	0.0244281%	59.6448863%	C

203	2203	3162	6.7	21185.4	0.0235289%	59.6684152%	C
204	2195	4925	4.24	20882	0.0231920%	59.6916071%	C
205	1100	135900	0.149	20249.1	0.0224890%	59.7140962%	C
206	2121	1296	15.6	20217.6	0.0224541%	59.7365502%	C
207	1149	11200	1.8	20160	0.0223901%	59.7589403%	C
208	3070	3223	6.129466336	19755.27	0.0219406%	59.7808809%	C
209	1120	66400	0.295292169	19607.4	0.0217764%	59.8026573%	C
210	3081	3313	5.79	19182.27	0.0213042%	59.8239615%	C
211	1130	78000	0.242	18876	0.0209641%	59.8449255%	C
212	2088	810	22.96783951	18603.95	0.0206619%	59.8655874%	C
213	3239	2360	7.69	18148.4	0.0201560%	59.8857434%	C
214	6081	2575	6.936	17860.2	0.0198359%	59.9055793%	C
215	1205	74900	0.2262	16942.38	0.0188165%	59.9243958%	C
216	2017	1770	9.54	16885.8	0.0187537%	59.9431495%	C
217	4317	67	250	16750	0.0186029%	59.9617524%	C
218	2003	1860	8.9	16554	0.0183852%	59.9801376%	C
219	2048	6375	2.583858824	16472.1	0.0182942%	59.9984318%	C
220	3090	100	162	16200	0.0179920%	60.0164238%	C
221	4074	1242	12.91666667	16042.5	0.0178171%	60.0342410%	C
222	2129	4950	3.24	16038	0.0178121%	60.0520531%	C
223	1256	11500	1.3704	15759.6	0.0175029%	60.0695560%	C
224	2274	871	17.9	15590.9	0.0173156%	60.0868715%	C
225	4188	3090	4.83	14924.7	0.0165757%	60.1034472%	C
226	1257	20300	0.729	14798.7	0.0164357%	60.1198829%	C
227	2164	760	19.41907895	14758.5	0.0163911%	60.1362740%	C
228	1213	117000	0.125	14625	0.0162428%	60.1525168%	C
229	1090	78850	0.183	14429.55	0.0160257%	60.1685425%	C
230	3216	1613	8.9	14355.7	0.0159437%	60.1844863%	C
231	4147	612	23.33333333	14280	0.0158596%	60.2003459%	C
232	1136	39100	0.355	13880.5	0.0154160%	60.2157619%	C
233	1280	9500	1.4489	13764.55	0.0152872%	60.2310490%	C
234	1089	110800	0.123889982	13727.01	0.0152455%	60.2462945%	C
235	4090	300	45	13500	0.0149934%	60.2612879%	C
236	6001	745	17.86	13305.7	0.0147776%	60.2760654%	C
237	1322	40000	0.3271	13084	0.0145313%	60.2905968%	C
238	1119	17800	0.7273	12945.94	0.0143780%	60.3049748%	C
239	1059	121900	0.104132896	12693.8	0.0140980%	60.3190728%	C
240	1214	71000	0.17649	12530.79	0.0139169%	60.3329897%	C
241	1171	23100	0.54	12474	0.0138539%	60.3468436%	C
242	2144	998	12.4	12375.2	0.0137441%	60.3605877%	C
243	1065	11800	0.997542373	11771	0.0130731%	60.3736608%	C
244	3073	34	342.86	11657.24	0.0129468%	60.3866076%	C
245	1083	39100	0.29528977	11545.83	0.0128230%	60.3994306%	C
246	4227	363	30.75	11162.25	0.0123970%	60.4118276%	C

247	4310	2449	4.25	10408.25	0.0115596%	60.4233872%	C
248	1200	3500	2.9524	10333.4	0.0114765%	60.4348637%	C
249	1062	130690	0.078530875	10263.2	0.0113985%	60.4462622%	C
250	1222	37920	0.265	10048.8	0.0111604%	60.4574226%	C
251	2299	60	167	10020	0.0111284%	60.4685510%	C
252	6155	100	100	10000	0.0111062%	60.4796572%	C
253	1148	4090	2.397555012	9806	0.0108907%	60.4905479%	C
254	1015	2550	3.746	9552.3	0.0106090%	60.5011569%	C
255	4182	17000	0.5565	9460.5	0.0105070%	60.5116639%	C
256	2042	995	9.17	9124.15	0.0101335%	60.5217974%	C
257	4207	516	17.5	9030	0.0100289%	60.5318262%	C
258	4116	718	12.5	8975	0.0099678%	60.5417941%	C
259	1081	92400	0.089	8223.6	0.0091333%	60.5509273%	C
260	1097	55000	0.148527273	8169	0.0090726%	60.5600000%	C
261	1041	214900	0.037483713	8055.25	0.0089463%	60.5689463%	C
262	4315	2754	2.9	7986.6	0.0088701%	60.5778164%	C
263	1202	23000	0.345	7935	0.0088128%	60.5866292%	C
264	4314	2820	2.8	7896	0.0087695%	60.5953986%	C
265	1196	4440	1.775	7881	0.0087528%	60.6041514%	C
266	2138	5100	1.48	7548	0.0083830%	60.6125343%	C
267	2050	4425	1.6892	7474.71	0.0083016%	60.6208359%	C
268	4047	300	24.4	7320	0.0081297%	60.6289656%	C
269	1093	35100	0.207	7265.7	0.0080694%	60.6370351%	C
270	2301	79	91.34	7215.86	0.0080141%	60.6450491%	C
271	2005	2450	2.88	7056	0.0078365%	60.6528857%	C
272	3246	552	12.44	6866.88	0.0076265%	60.6605122%	C
273	2045	570	11.95	6811.5	0.0075650%	60.6680771%	C
274	2114	610	11	6710	0.0074523%	60.6755294%	C
275	1141	25800	0.25	6450	0.0071635%	60.6826929%	C
276	1323	13000	0.46	5980	0.0066415%	60.6893344%	C
277	1249	15700	0.3789	5948.73	0.0066068%	60.6959412%	C
278	3027	979	5.98	5854.42	0.0065020%	60.7024432%	C
279	1271	5300	1.09	5777	0.0064160%	60.7088593%	C
280	1026	34900	0.162989971	5688.35	0.0063176%	60.7151768%	C
281	2004	1650	3.373	5565.45	0.0061811%	60.7213579%	C
282	2258	825	6.5	5362.5	0.0059557%	60.7273136%	C
283	1023	47880	0.107071011	5126.56	0.0056937%	60.7330073%	C
284	1324	17600	0.288	5068.8	0.0056295%	60.7386368%	C
285	4309	1265	4	5060	0.0056197%	60.7442565%	C
286	2090	540	8.99	4854.6	0.0053916%	60.7496481%	C
287	4060	216	22.08333333	4770	0.0052977%	60.7549458%	C
288	2093	560	8.39	4698.4	0.0052181%	60.7601639%	C
289	4307	1371	3.36	4606.56	0.0051161%	60.7652801%	C
290	4313	1650	2.7	4455	0.0049478%	60.7702279%	C

291	1110	1910	2.33	4450.3	0.0049426%	60.7751705%	C
292	3211	245	18	4410	0.0048978%	60.7800683%	C
293	2146	382	11.5	4393	0.0048790%	60.7849472%	C
294	1353	1100	3.99	4389	0.0048745%	60.7898218%	C
296	1135	22400	0.19	4256	0.0047268%	60.7994120%	C
297	3304	10	402.93	4029.3	0.0044750%	60.8038870%	C
298	3305	10	402.93	4029.3	0.0044750%	60.8083620%	C
299	1207	17900	0.221832402	3970.8	0.0044100%	60.8127720%	C
300	4308	1039	3.81	3958.59	0.0043965%	60.8171685%	C
301	3309	10	376	3760	0.0041759%	60.8213445%	C
302	4076	288	12.91666667	3720	0.0041315%	60.8254760%	C
303	1112	44000	0.08255	3632.2	0.0040340%	60.8295100%	C
304	2041	18	199	3582	0.0039782%	60.8334882%	C
305	3302	10	356.4	3564	0.0039582%	60.8374464%	C
306	3303	10	356.4	3564	0.0039582%	60.8414047%	C
307	3306	10	356.4	3564	0.0039582%	60.8453629%	C
308	1182	6570	0.536666667	3525.9	0.0039159%	60.8492789%	C
309	2026	250	14.038	3509.5	0.0038977%	60.8531766%	C
310	2032	2375	1.44	3420	0.0037983%	60.8569749%	C
311	3310	10	337.59	3375.9	0.0037493%	60.8607242%	C
312	2250	40	82	3280	0.0036428%	60.8643671%	C
313	1008	43000	0.072466744	3116.07	0.0034608%	60.8678278%	C
314	1005	4300	0.72	3096	0.0034385%	60.8712663%	C
315	4312	1160	2.65	3074	0.0034140%	60.8746804%	C
316	4316	947	3.05	2888.35	0.0032079%	60.8778882%	C
317	4194	1223	2.35	2874.05	0.0031920%	60.8810802%	C
318	2015	1740	1.47	2557.8	0.0028407%	60.8839209%	C
319	1040	2700	0.89	2403	0.0026688%	60.8865898%	C
320	1270	1800	1.2909	2323.62	0.0025807%	60.8891704%	C
321	4275	100	22.76	2276	0.0025278%	60.8916982%	C
322	1101	8300	0.267	2216.1	0.0024612%	60.8941594%	C
323	4290	12	163	1956	0.0021724%	60.8963318%	C
324	4093	120	13.75	1650	0.0018325%	60.8981643%	C
325	4284	84	12.67	1064.28	0.0011820%	60.8993463%	C
326	2010	160	4.927	788.32	0.0008755%	60.9002219%	C
327	4073	54	12.91666667	697.5	0.0007747%	60.9009965%	C
328	1154	7900	0.05923038	467.92	0.0005197%	60.9015162%	C
329	4230	2111	0.175002369	369.43	0.0004103%	60.9019265%	C
330	1068	2300	0.1013	232.99	0.0002588%	60.9021852%	C
331	1226	200	0.171	34.2	0.0000380%	60.9022232%	C
332	4232	25	0.1752	4.38	0.0000049%	60.9022281%	C

NAME OF DRUG WITH ITEM CODE

2097 - Lyophilised Polyvalent Antisnake Venom Serum (Snakevenom Antiserum Powder)
2142 - Rabies Immunoglobulin Human Inj 300 IU
2028 - Ceftriaxone for Inj1Gm (Deep IM/Slow IV Infusion)
1016 - Amoxycillin Capsules 500mg
6155 - Sanitary Napkin(Regular)
1185 - Azithromycin Tablets 500mg
2024 - Cefotaxime for Injection 1 gm
2280 - Recombinant Insulin Glargine -3ML (100)
4278 - Disposable spinal Needle 23G x 3 1/2 inch
1168 - Trimethoprim & Sulphamethoxazole Tablets
3054 - Framycetin Sulphate Cream (30Gm Tube)
3086 - O.R.S.(W.H.O. Formula)
6136 - X Ray Film Size:10x 12 In
1006 - Albendazole Tablets 400mg
1173 - Vitamin B Complex Tablets (Therapeutic)
6174 - Surgical Rubber Gloves (Disposable) 8 Inch
1113 - Metronidazole Tablets 400mg
4293 - SYNTHETIC ABSORBABLE BRAIDED TRICLOSAN COATED POLYGLACTIN 910
SIZE:2/0,LENGTH:90 CMS 1/2 CIRCLE RC 40MM NEEDLE
1199 - Cefixime Tablets 200mg
4027 - Ab.Surg.Sut.Catgut Plain 1-0 w/o needle
1254 - Deferasirox Tablets 500mg
3098 - Povidone Iodine Ointment 5%(500gm Jar)
2147 - Sodium Chloride Inj 500ml (For IV infusion)
6170 - Surgical Rubber Gloves (Disposable) 6 Inch
6172 - Surgical Rubber Gloves (Disposable) 7 Inch
1018 - Amoxycillin Trihydrate Dispersible Tablets 125mg
4292 - SYNTHETIC ABSORBABLE BRAIDED TRICLOSAN COATED POLYGLACTIN 910
SIZE:2/0,LENGTH:90 CMS 1/2 CIRCLE RB 30MM NEEDLE
6173 - Surgical Rubber Gloves (Disposable) 7.5 Inch
3030 - Vitamin A Solution Conc.1 Lac IU/1ml,100ml Bottle
3140 - Neomycin,Bacitracin & Polymixin-B Oint.
3174 - Neomycin Skin Ointment
4291 - SYNTHETIC ABSORBABLE BRAIDED TRICLOSAN COATED POLYGLACTIN 910
SIZE:0,LENGTH:90 CMS 1/2 CIRCLE RC 36MM NEEDLE
6171 - Surgical Rubber Gloves (Disposable) 6.5 Inch
4179 - Absorbent Cotton Wool (400 Gm)
4017 - Infusion Set (E.T.O.Sterilised)
1114 - Metronidazole Tablet 200mg, Strip
1288 - Montelukast Sodium Tablet 10 mg
4305 - Micropore Adhesive Paper Tape.

4198 - Elastic Adhesive Bandage Size: 10CM X 2.70 mtr
 4294 - SYNTHETIC ABSORBABLE BRAIDED TRICLOSAN COATED POLYGLACTIN 910
 ANTIBACTERIAL SUTURE SIZE-3/0
 2219 - Amino Acid 10% Injection 500ml
 1039 - Chloroquine Phosphate Tablets 250mg
 1267 - Azithromycin Tablet 250 mg
 2305 - Paracetamol injection (for IV Infusion) 100 ml.
 4002 - Absorbent Gauze (20mt x 90cm)
 3088 - Paracetamol Syrup 125 mg/5 ml
 1319 - Tab. Olanzapine 10 mg
 4028 - Ab.Surg.Sut.Catgut Plain 2-0 w/o needle
 2113 - Metronidazole Injection (I.V.Infusion)
 3106 - Sevoflurane Liquid with quick fill adaptor
 4190 - I. V. Cannula with Injection Valve Size:22 G
 1127 - Paracetamol Tablets 500mg
 4004 - Adhesive Tape 5cmx10mtr
 1251 - Zinc Sulphate Dispersible Tablets 20mg
 4005 - Adhesive Tape 7.5cmx10mtr
 1061 - Diclofenac Sodium Tablets 50mg
 4037 - Ab.Surg.Sut.Catgut Chromic 1-0 w/o needle
 3200 - Levocetirizine Dihydrochloride Syrup
 3235 - Alcoholic Rub Hand Disinfectant 500 ml
 2229 - Sulbactam & Cefoperazone for Injection 1gm
 6157 - Plastic Bags (Yellow) Small
 2125 - Oxytocin Injection (For SC/IM/Slow IV Infusion)
 4189 - I.V. Cannula With Injection Valve Size:20 G
 4289 - SYNTHETIC ABSORBABLE BRAIDED TRICLOSAN COATED POLYGLACTIN 910 SIZE:1,
 LENGTH:90 CMS 1/2 CIRCLE RC 40 MM NEEDLE
 2262 - Sulbactam 1 Gm Vial
 4295 - SYNTHETIC ABSORBABLE BRAIDED TRICLOSAN COATED POLYGLACTIN 910
 ANTIBACTERIAL SUTURE
 1172 - Vitamin A Capsules 2 Lac i.u.
 1031 - Carbamazepine Tablets 200 mg
 1096 - Ibuprofen Tablets 400mg
 4035 - Ab.Surg.Sut.Catgut Chromic 1 w/o needle
 3036 - Diclofenac Sodium Gel 1% w/w
 1155 - Sodium Valproate Tablets 200 mg
 1240 - Spironolactone 100mg Strip
 2143 - Ranitidine Hydrochloride Inj. (IM/slow IV use)
 1034 - Cefadroxil Kid Tablets 125mg
 1029 - Calcium Gluconate Tablets 500mg
 6158 - Plastic Bags (Blue) Large
 1044 - Ciprofloxacin Tablets 500mg
 3223 - Clotrimazole Gel 30gm Tube
 1017 - Amoxycillin Capsules 250mg.
 4024 - Rolled Bandage (5mt x 5cm)
 1287 - Calcium & Vitamin D3 Tablets 500 mg + 250 IU

6160 - Plastic Bags (Blue) Small
 6169 - Plastic Bags (Green) Small
 3117 - Trimethoprim & Sulphamethoxazole Oral Suspension
 1247 - Ribavarin 200 mg
 3243 - Budenoside Inhaler
 3105 - Salbutamol Syrup 2 mg/5 ml
 2198 - Methyl Prednisolone Sod.Succ.For Inj. 500mg
 3142 - Povidone Iodine Ointment 5% (20gm Tube)
 2151 - Sterile Vancomycin HCL Injection (slow IV infusion)
 1253 - Deferasirox Tablets 250mg
 1121 - Norfloxacin Tablets 400mg
 3100 - Povidone Iodine Solution 5%
 2049 - Diclofenac Sodium Injection (IM use)
 6168 - Plastic Bags (Green) Medium
 3057 - Gamma Benzene Hexachloride Application
 2012 - Anti D (RHO) Immunoglo. Human Inj.300mcg (Liquid)
 1038 - Chlorine Tablets 0.5 gm
 3002 - Albendazole Suspension 200 mg/5 ml
 3218 - NS 1 Dengue kits
 4006 - Bandage Cloth (20mt x 90cm)
 1131 - Polyvitamin Tablets (Prophylactic) (NFI Formula)
 3060 - Gention Violet Topical Solution.
 2044 - Dextrose Injection 10% (For I.V.Infusion)
 3138 - HCV Elisa Test Kit Hepatitis C Virus
 6167 - Plastic Bags (Green) Large
 1084 - Folic Acid & Ferrous Sulph. Tab. (Small)
 2302 - Haemocoagulase Injection.
 1198 - Atorvastatin Tablets 10mg
 4304 - SYNTHETIC ABSORBABLE MONOFILAMENT TRICLOSAN COATED POLIGLECAPRONE
 25 ANTIBACTERIAL SUTURE SIZE 4/0
 6164 - Plastic Bags (Black) Large
 1021 - Ascorbic Acid Tablets (Chewable)
 6161 - Plastic Bags (Red) Large
 6163 - Plastic Bags (Red) Small
 1086 - Folic Acid Tablets 5mg
 3018 - Bleaching Powder Grade II I.S.I.Mark 25 Kg
 4055 - Absorbable Surgical Suture (Polyglycolic acid) With Needle
 2047 - Diatrizoate Maglum. & Diat.Sod.Inj. (76%)
 4044 - Absorbable Surgical Suture Catgut chromic with Needle.
 6078 - Surg. Rubber Gloves 6.5 Inch
 4288 - SYNTHETIC ABSORBABLE BRAIDED TRICLOSAN COATED POLYGLACTIN 910 SIZE:1,
 LENGTH:90 CMS 1/2 CIRCLE HEAVY RB 40MM NEEDLE
 2260 - Linezolid 200mg
 6165 - Plastic Bags (Black) Medium
 3245 - NeomycinSulp,Polymyxin B Sul, Bacitracin Zinc Powcitracin Zinc Powder 10gm
 2214 - Levofloxacin Infusion 500mg/100ml (I.V. use)
 6159 - Plastic Bags (Blue) Medium

1125 - Omeprazole Capsules 20mg
 2197 - Iohexol Injection
 1325 - Tab. Donepezil 5 mg
 3139 - HCV Rapid Test Kit Hepatitis C Virus
 6162 - Plastic Bags (Red) Medium
 4009 - Crepe Bandage Pack (10cmx4mtr)
 1128 - Phenobarbitone Tablets 30mg
 4303 - SYNTHETIC ABSORBABLE MONOFILAMENT TRICLOSAN COATED POLIGLECAPRONE
 25 ANTIBACTERIAL SUTURE SIZE 3/0
 1276 - Famotidine Tablets 40mg
 3058 - Gentamicin Eye Drops 0.3% w/v
 2066 - Gentamicin Injection 80mg (IM/slow IV/IV infusion)
 1147 - Pyrimethamine & Sulphadoxine Tablets
 1272 - Cefadroxil Tablet 500mg
 1071 - Doxycycline Capsules 100mg
 2046 - Diatrizoate Maglum. & Diat.Sod.Inj. (60%)
 1124 - Ofloxacin Tablets 200mg
 2215 - Aciclovir Intravenous Infusion
 4015 - Sterile Hypodermic Needle Size:24x1 in
 2039 - Dexamethasone Sodium Phosphate Inj. (For IM/IV Use)
 2027 - Ceftazidime for Inj 1 Gm.(DeepIM/Slow IV infusion)
 1090 - Glipizide Tablets 5mg
 3203 - Lactulose Solution
 3175 - Compound Benzoin Tincture
 1320 - Tab. Mirtazapine 15 mg
 6166 - Plastic Bags (Black) Small
 1313 - Tab. Amisulpride 100 mg
 1051 - Clotrimazole Vaginal Tablets 100mg
 2124 - Ofloxacin Injection (For IV infusion)
 3241 - Anti-D Blood grouping serum
 4020 - Sterile Syringe 2 ml(Without Needle)
 3026 - Vitamin D 3 60000 IU , Sachet
 4036 - Ab.Surg.Sut.Catgut Chromic 2 w/o needle
 2276 - Inj. Hyaluronidase 1500 IU Vial 1unit
 6137 - X Ray Film Size 12 X15
 1087 - Frusemide Tablets 40mg
 2187 - Ondansetron Injection
 2034 - Ciprofloxacin Injection (IV Infusion)
 2014 - Atracurium Besilate Injection For IV/infusion use
 1260 - Diclofenec Sodium Suppository 50mg.
 4137 - Ab.Sur.Sut. (Polyglactin 910)1 with 1/2 cirRB 40mm
 4021 - Sterile Hypodermic Syringe for Single use Size:5ML(Without Needle)
 3134 - Clotrimazole Ear Drops 1%
 3214 - Petroleum Jelly (White)30gm Tube
 4140 - Absorbable surgical suture Polyglactin 910 {synthetic}With Needle
 1237 - Metformin Hydrochloride Tablets 1000 mg

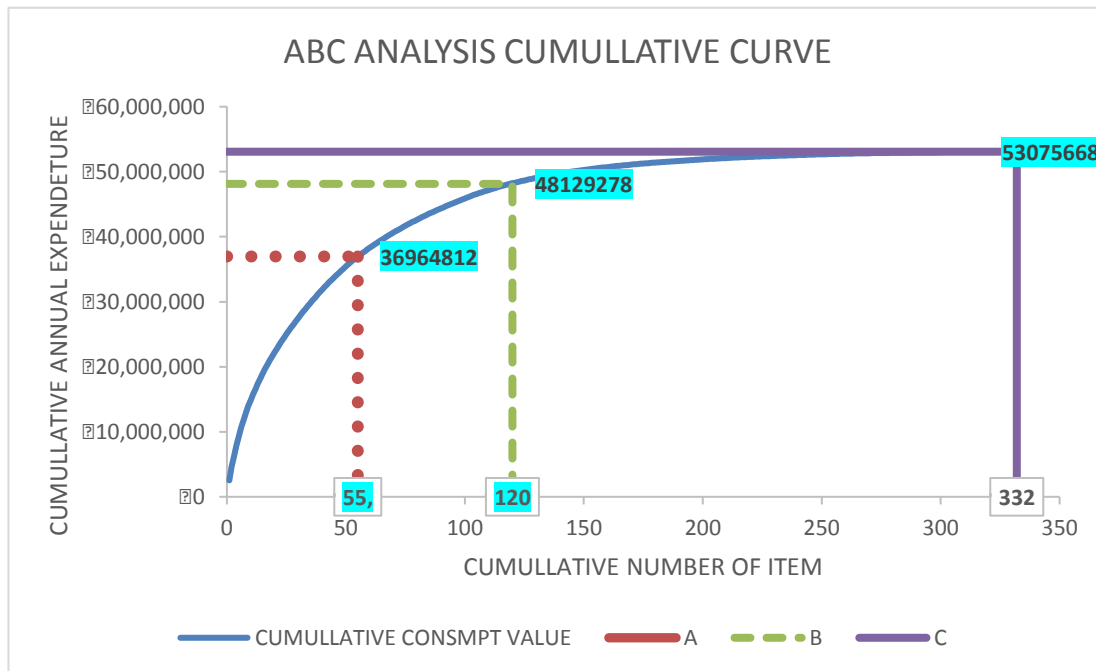
2248 - Atropine Sulphate Injection 0.6mg/ml, 30ml Vial
 1208 - Misoprostol Tablets 200mcg
 4143 - Ab.Sur.Sut.(Polyglactin) 1-0 1/2cirRB40m
 4228 - Foleys Catheter 10 FR (3 to 5CC) Balloon
 4142 - Ab.Sur.Sut.(Polyglactin) 1-0 1/2cirRB30m
 3029 - Compound Benzoic Acid Ointment (Whitefields Oint.)
 3003 - Amoxycillin oral suspension
 4153 - Ab.Sur.Sut.(Polyglact) 3-0 1/2cirRB20mm
 2278 - Labetalol Injection.
 2023 - Cefazoline Sod Inj 500mg For IM/IV /Infusion use
 2025 - Cefotaxime for Injection 250 mg (for IM/IV use)
 2244 - Amikacin Injection250mg. Vial
 4146 - Ab.Sur.Sut.(Polyglact) 2-0 1/2cirRB30mm
 4117 - Non-ab.Monofi.Polyamid 2-0 Straightcut60
 1178 - Fluconazole Tablets 50mg
 1283 - Pantoprazole & Domperidone SR Capsules 40mg+ 30mg
 2263 - Inj Immuno nutrition as Immuno-modulation as intravenous glutamine dipeptides 100ml 10%-100ml
 2029 - Ceftriaxone forInj500mg (Deep IM/Slow IV Infusion)
 2228 - Iron Sucrose Injection (For I.V. Use)
 3015 - Betamethasone Valerate Cream
 2135 - Pralidoxime Chloride Inj.(IM/slowIV/ infusion use)
 4283 - BB Silk 1 3/8 Cir Cutt 60 mm Needle 76 cms
 1250 - Tramadol Cap 100mg
 4155 - Ab.Sur.Sut.(Polyglact) 3-0 3/8cirCut22mm
 3143 - Pregnancy Test Kit (HCG DipstiK)
 4013 - Sterile Hypodermic Needle Size:23x1In
 3023 - Chlorhexidine Gluconate Soln 4% w/v
 3080 - Liquid Paraffin (Heavy)
 1227 - Pioglitazone Tablets 15mg
 3209 - Glycerine 100 ml Bottle
 2203 - Sodium Chloride Inj.(IV use) 100ml
 2195 - Glycopyrrolate Injection (IM/IV use)
 1100 - Isosorbide Dinitrate Tablets 10 mg
 2121 - Multiple Electrolyte P Injection
 1149 - Quinine Tablets 100mg
 3070 - Ibuprofen Suspension 100 mg/5 ml
 1120 - Norfloxacin Kid Tablets 100mg
 3081 - Metronidazole Suspension 100 mg/5 ml
 1130 - Phenytoin sodium 100 mgTablets
 2088 - Ketamine HCL Inj50mg,(Deep IM/slow IV use)
 3239 - Calcium & Vitamin D3 Suspension 100 ml bottle
 6081 - Surg.Rubber Gloves 8 Inch
 1205 - Olanzapine Tablets 5mg
 2017 - Benzathine Penicillin Inj.1200000 i.u.
 4317 - Surgical Hernia Mesh 15x15 CM
 2003 - Amikacin SulphateInjection (For IM/IV Use) 500 mg

2048 - Diazepam Injection (For IM/IV Use)
 3090 - Petroleum Jelly (White)
 4074 - Non-Absorbable Black Braided Silk surgical suture with Needle
 2129 - Pentazocine Lactate Inj. (For SC/IM/slow IV use)
 1256 - Aciclovir Tab.400mg.
 2274 - Artesunate 60mg
 4188 - I.V. Cannula With Injection Valve Size:18 G
 1257 - Atorvastatin Tab. 40mg.
 2164 - Thiopentone Sodium Injection 0.5 gm. (IV use)
 1213 - Paracetamol Kid Tablets 125mg (Disp).
 1090 - Glipizide Tablets 5mg
 3216 - ZINC GLUCONATE SYRUP 20mg/ml
 4147 - Ab.Sur.Sut.(Polyglact) 2-0 3/8cirCut26mm
 1136 - Primaquine Phosphate Tablets 7.5mg
 1280 - Amoxycillin and Cloxacillin Capsule 250 mg+250 mgip.
 1089 - Glibenclamide Tablets 5mg
 4090 - Non-Ab.BB.Silk sur sut.on Reel 1 (25mtr)
 6001 - E.C.G. Roll (50 mm x 20 Meter)
 1322 - Tab. Lamotrigine 25 mg
 1119 - Norethisterone Tablets 5mg
 1059 - Dexamethasone Tablets 0.5 mg
 1214 - Aceclofenac Tablets 100 mg
 1171 - Vitamin A Capsules 50000 i.u.
 2144 - Ringer Lactate Inj.(Compound Sodium Lactate Inj.)
 1065 - Diloxanide Furoate Tablets 500mg
 3073 – Isoflurane
 1083 - Fluoxetine Capsules 20 mg
 4227 - Foleys Catheter 8 FR (3 to 5CC) Balloon
 4310 - Ryles Tube(ETO Sterilized),Size-16.
 1200 - Diclofenac sodium suppositories 12.5mg
 1062 - Dicyclomine Tablets 20mg
 1222 - Acetyl Salicylic Acid Tablets 150mg.
 2299 - Inj.Collistimethate Sodium 1 Million IU
 6155 - Plastic Bags (Yellow) Large
 1148 - Quinine Sulphate Tablets 300mg
 1015 - Amoxycillin And Potassium Clavulanate Tab 625mg
 4182 - Disposable Needle Size: 26x0.5
 2042 - Dextrose Injection 25% (For I.V.Infusion)
 4207 - Non-Ab.Monofila P.P sur.Suture 1, 1/2 Cir.RB 40mm
 4116 - Non-ab.Monofi.Polyamid 1-0 Straightcut60
 1081 - Ferrous Sulphate Tablets 200mg
 1097 - Imipramine HCL Tablets 25mg
 1041 - Chlorpheniramine Maleate Tablets 4mg
 4315 - Suction cathater(ETO sterilized)size-14.
 1202 - EsCitalopram Oxalate Tablets 10mg
 4314 - Suction cathater(ETO sterilized)size-12.

1196 - Amoxycillin & Clavulanic Acid DispTablets 228.5mg Strip
 2138 - Promethazine Hydrochloride Injection.
 2050 - Dicyclomine HCL Injection(Deep IM use)
 4047 - Ab.Sur.Sut.Chromic 3-0 with 1/2Cir.RB20m
 1093 - Haloperidol Tablets 5mg
 2301 - Octreotide Acetate Injection 100 mcg
 2005 - Aminophylline Injection (For IV Use) 2.5% w/v
 3246 - Artemether & Lumefantrine Syrup 15 ml Bottel
 2045 - Dextrose Injection 5% (For I.V.Infusion)
 2114 - Midazolam Injection (For IM/IV Use)
 1141 - Propranolol Tablets 40 mg
 1323 - Tab. Lamotrigine 50 mg
 1249 - Tramadol Capsules 50mg
 3027 - Ciprofloxacin Ophthalmic Solution 3 mg/ml
 1271 - Fluconazole Tablet 150mg
 1026 - Bisacodyl Tablets 5mg
 2004 - Amikacin Sulphate Injection (For IM/IV Use) 100mg
 2258 - Bupivacaine Hydrochloride in Dextrose Injection 5mg + 80mg per ml 4 ml Amp
 1023 - Atenolol Tablets 50 mg
 1324 - Tab. Zolpidem 5 mg
 4309 - Ryles Tube(ETO Sterilized),Size-14.
 2090 - Lignocaine HCL & Adrenaline Bitartrate Injection
 4060 - Ab.Sur.Sut.Polygly.2-0 with1/2Cir.RB30mm
 2093 - Lignocaine Hydrochloride Injection 2% W/V
 4307 - Ryles Tube(ETO Sterilized),Size-10.
 4313 - Suction cathater(ETO sterilized)size-10.
 1110 - Methyldopa Tablets 250 mg
 3211 - Magnesium Sulphate Powder
 2146 - Sodium Chloride & Dextrose Inj (For I.V.Infusion)
 1353 - Tab.Fluconazole 400 mg
 4121 - Non-ab.Monofi.Polyamid 4-0 3/8circut16mm
 1135 - Primaquine Phosphate Tablets 2.5mg
 3304 - Media- Dehydrated powder -Sugar with pH indicator phenol red-Maltose
 3305 - Media- Dehydrated powder -Sugar with pH indicator phenol red-Mannitol
 1207 - Sertraline Tablets 25mg
 4308 - Ryles Tube(ETO Sterilized),Size-12.
 3309 - Media -Dehydrated powder -Urea agar base (Christensen) + Urea 40%(5ml per vial)
 4076 - Non-abs.BB.Silk sut.3-0 with1/2CirRB25mm
 1112 - Metoclopramide Tablets 10mg
 2041 - Dextran 40Inj(With Sod.Chloride)(For IV Infusion)
 3302 - Media- Dehydrated powder -Sugar with pH indicator phenol red “ Dextrose
 3303 - Media- Dehydrated powder -Sugar with pH indicator phenol red-Lactose
 3306 - Media- Dehydrated powder -Sugar with pH indicator phenol red- Sucrose
 1182 - Salbutamol Rotacaps 200mcg
 2026 - Ceftazidime for Injection 250mg (for deepIM/Slow IV infusion)
 2032 - Phenaramine Maleate Injection (For IM/IV Use).

3310 - Media -Dehydrated powder -Xylose lysine deoxycholate agar
 2250 - Cisplatin Injection 10 mg
 1008 - Alprazolam Tablets 0.25mg
 1005 - Acyclovir Tablets 200mg
 4312 - Suction cathater(ETO sterilized)size-8.
 4316 - Suction cathater(ETO sterilized)size-16.
 4194 - Scalp Vein Set Size:22
 2015 - Atropine Sulphate Injection 0.6mg/ml
 1040 - Chloroquine Phosphate Tablet 500mg , Strip
 1270 - Carvedilol Tablet 12.5 mg
 4275 - Disposable Spinal Needle (Size: 22G)
 1101 - Isosorbide-Mononitrate Tablets 10mg
 4290 - SYNTHETIC ABSORBABLE BRAIDED TRICLOSAN COATED POLYGLACTIN 910
 SIZE:0,LENGTH:90 CMS 1/2 CIRCLE HEAVY RB 40MM NEEDLE
 4093 - Non-abs.Monofila P.P.sut2-0 1/2cirRB25mm
 4284 - BB Silk 1 3/8 Cir Rev Cutt. 45 mm Needle 76 cms
 2010 - Ampicillin Sodium Injection 500mg(IM/slow IV use)
 4073 - Non-abs.BB.Silk sut.1-0 with1/2CirRB30mm
 1154 - Salbutamol Tablets 4mg
 4230 - Foleys Catheter for Adult use : 14FR (30 to 50CC)
 1068 - Domperidone Tablets 10 mg
 1226 - Glimepiride Tablets 1mg.
 4232 - Foleys Catheter for Adult use: 18FR (2 Way)

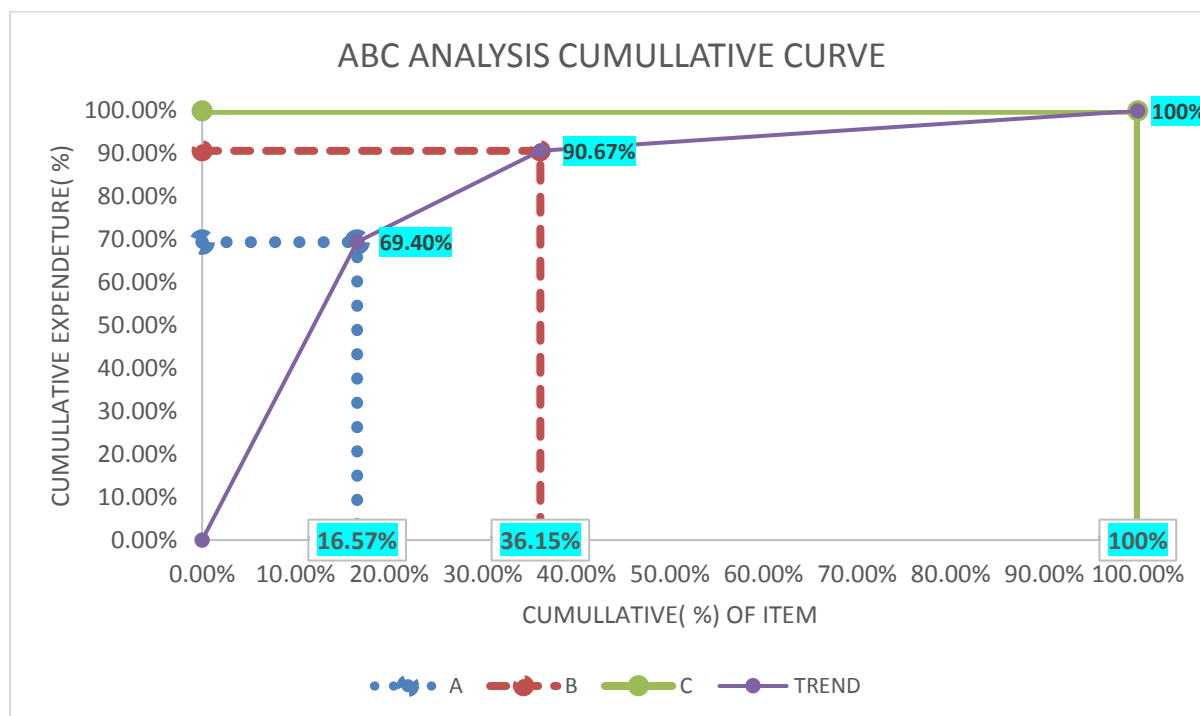
FIGURE-3



From ABC Analysis

- 55 Number of item found to be A Class which constitute a value of worth ₹36964812 of total inventory
- 65 number of item found to be B category which constitute a value of worth ₹11164466 of total inventory value
- 122 number of item are found to be C class item which constitute a value of worth ₹4946390 of the total inventor value

Figure-4



- from the above Graph, it was found that
- 16.57% of item constitute 69.40% of the inventory (A)
- 19.58% of item constitutes 21.27% of inventory (B)
- and 63.85% of item constitute 9.33% of item (C)

VED ANALYSIS FINDING AND RESULT

Here the name of drug for item code are same as per item code taken for ABC Analysis

Figure-5

ITEM CODE	TYPE OF ITEM	CATEGORY	VALUE OF ITEM	%VALUE OF ITEM	CUMULATIVE % VALUE OF ITEM	CUMULATIVE VALUE OF ITEM
1090	Tablet	VITAL	48623.4	0.09%	0.09%	48623.4
1090	Tablet	VITAL	14429.55	0.03%	0.12%	63052.95
1100	Tablet	VITAL	20249.1	0.04%	0.16%	83302.05
2012	Tablet	VITAL	146160	0.28%	0.43%	229462.05
2097	Capsule	VITAL	2527998.33	4.76%	5.20%	2757460.38
2125	Capsule	VITAL	250087.5	0.47%	5.67%	3007547.88
2142	Tablet	VITAL	2089800	3.94%	9.60%	5097347.88

3086	Tablet	VITAL	869620.3	1.64%	11.24%	5966968.18
4027	Tablet	VITAL	620352	1.17%	12.41%	6587320.18
4028	Tablet	VITAL	342229.14	0.64%	13.06%	6929549.32
4035	Tablet	VITAL	215340	0.41%	13.46%	7144889.32
4036	Tablet	VITAL	40890.03	0.08%	13.54%	7185779.35
4037	Tablet	VITAL	266112	0.50%	14.04%	7451891.35
4044	Tablet	VITAL	90744	0.17%	14.21%	7542635.35
4047	Tablet	VITAL	7320	0.01%	14.22%	7549955.35
4055	Tablet	VITAL	97920	0.18%	14.41%	7647875.35
4060	Tablet	VITAL	4770	0.01%	14.42%	7652645.35
4073	Tablet	VITAL	697.5	0.00%	14.42%	7653342.85
4074	Tablet	VITAL	16042.5	0.03%	14.45%	7669385.35
4076	Tablet	VITAL	3720	0.01%	14.46%	7673105.35
4090	Tablet	VITAL	13500	0.03%	14.48%	7686605.35
4093	Tablet	VITAL	1650	0.00%	14.49%	7688255.35
4116	Tablet	VITAL	8975	0.02%	14.50%	7697230.35
4117	Tablet	VITAL	25650	0.05%	14.55%	7722880.35
4137	Capsule	VITAL	4379	0.01%	14.56%	7727259.35
4140	Tablet	VITAL	35255.88	0.07%	14.63%	7762515.23
4143	Capsule	VITAL	30300	0.06%	14.68%	7792815.23
4146	Tablet	VITAL	31080	0.06%	14.74%	7823895.23
4147	Tablet	VITAL	25756	0.05%	14.79%	7849651.23
4153	Tablet	VITAL	14280	0.03%	14.82%	7863931.23
4155	Tablet	VITAL	29160	0.05%	14.87%	7893091.23
4179	Tablet	VITAL	23240	0.04%	14.92%	7916331.23
4227	Tablet	VITAL	9030	0.02%	14.93%	7925361.23
4284	Tablet	VITAL	23712	0.04%	14.98%	7949073.23
4288	Tablet	VITAL	1064.28	0.00%	14.98%	7950137.51
4289	Tablet	VITAL	87161	0.16%	15.14%	8037298.51
4290	Tablet	VITAL	241254	0.45%	15.60%	8278552.51
4292	Tablet	VITAL	461125	0.87%	16.47%	8739677.51
4295	Tablet	VITAL	397404	0.75%	17.22%	9137081.51
4303	Tablet	VITAL	228988	0.43%	17.65%	9366069.51
4304	Tablet	VITAL	71208	0.13%	17.78%	9437277.51
6001	Tablet	VITAL	16750	0.03%	17.81%	9454027.51
1005	Tablet	ESSENTIAL	3096	0.01%	17.82%	9457123.51
1006	Tablet	ESSENTIAL	773738.8	1.46%	19.28%	10230862.31
1008	Tablet	ESSENTIAL	3116.07	0.01%	19.28%	10233978.38
1015	Tablet	ESSENTIAL	9552.3	0.02%	19.30%	10243530.68
1016	Capsule	ESSENTIAL	1590814.9	3.00%	22.30%	11834345.58
1017	Tablet	ESSENTIAL	188229.3	0.35%	22.65%	12022574.88
1018	Tablet	ESSENTIAL	517447.53	0.97%	23.63%	12540022.41
1023	Tablet	ESSENTIAL	5126.56	0.01%	23.64%	12545148.97
1026	Tablet	ESSENTIAL	5688.35	0.01%	23.65%	12550837.32

1031	Tablet	ESSENTIAL	227301.46	0.43%	24.08%	12778138.78
1034	Tablet	ESSENTIAL	206084.5	0.39%	24.46%	12984223.28
1039	Tablet	ESSENTIAL	393710.5	0.74%	25.21%	13377933.78
1040	Tablet	ESSENTIAL	2403	0.00%	25.21%	13380336.78
1041	Tablet	ESSENTIAL	8055.25	0.02%	25.23%	13388392.03
1044	Tablet	ESSENTIAL	190724.4	0.36%	25.58%	13579116.43
1051	Tablet	ESSENTIAL	43989.3	0.08%	25.67%	13623105.73
1059	Tablet	ESSENTIAL	12693.8	0.02%	25.69%	13635799.53
1061	Tablet	ESSENTIAL	272484.54	0.51%	26.20%	13908284.07
1062	Capsule	ESSENTIAL	10263.2	0.02%	26.22%	13918547.27
1065	Capsule	ESSENTIAL	11771	0.02%	26.25%	13930318.27
1068	Tablet	ESSENTIAL	232.99	0.00%	26.25%	13930551.26
1071	Tablet	ESSENTIAL	65394.92	0.12%	26.37%	13995946.18
1081	Rota cap	ESSENTIAL	8223.6	0.02%	26.39%	14004169.78
1083	Tablet	ESSENTIAL	11545.83	0.02%	26.41%	14015715.61
1084	Tablet	ESSENTIAL	118662.4	0.22%	26.63%	14134378.01
1086	Tablet	ESSENTIAL	102450.6	0.19%	26.82%	14236828.61
1087	Tablet	ESSENTIAL	40311.2	0.08%	26.90%	14277139.81
1089	Suppositories	ESSENTIAL	13727.01	0.03%	26.93%	14290866.82
1093	Tablet	ESSENTIAL	7265.7	0.01%	26.94%	14298132.52
1096	Tablet	ESSENTIAL	226670	0.43%	27.37%	14524802.52
1097	Tablet	ESSENTIAL	8169	0.02%	27.38%	14532971.52
1101	Tablet	ESSENTIAL	2216.1	0.00%	27.39%	14535187.62
1110	Tablet	ESSENTIAL	4450.3	0.01%	27.39%	14539637.92
1112	Tablet	ESSENTIAL	3632.2	0.01%	27.40%	14543270.12
1113	Tablet	ESSENTIAL	660640.01	1.24%	28.65%	15203910.13
1114	Tablet	ESSENTIAL	416757.89	0.79%	29.43%	15620668.02
1119	Tablet	ESSENTIAL	12945.94	0.02%	29.46%	15633613.96
1120	Tablet	ESSENTIAL	19607.4	0.04%	29.49%	15653221.36
1121	Tablet	ESSENTIAL	157399.1	0.30%	29.79%	15810620.46
1124	Tablet	ESSENTIAL	58072	0.11%	29.90%	15868692.46
1128	Capsule	ESSENTIAL	71249.49	0.13%	30.03%	15939941.95
1130	Capsule	ESSENTIAL	18876	0.04%	30.07%	15958817.95
1131	Tablet	ESSENTIAL	139965	0.26%	30.33%	16098782.95
1135	Tablet	ESSENTIAL	4256	0.01%	30.34%	16103038.95
1136	Tablet	ESSENTIAL	13880.5	0.03%	30.37%	16116919.45
1141	Tablet	ESSENTIAL	6450	0.01%	30.38%	16123369.45
1147	Tablet	ESSENTIAL	68157.16	0.13%	30.51%	16191526.61
1148	Suppositories	ESSENTIAL	9806	0.02%	30.52%	16201332.61
1149	Tablet	ESSENTIAL	20160	0.04%	30.56%	16221492.61
1154	Tablet	ESSENTIAL	467.92	0.00%	30.56%	16221960.53
1155	Tablet	ESSENTIAL	207503	0.39%	30.95%	16429463.53
1168	Tablet	ESSENTIAL	886408.8	1.67%	32.62%	17315872.33
1171	Tablet	ESSENTIAL	12474	0.02%	32.65%	17328346.33

1173	Capsule	ESSENTIAL	726145.31	1.37%	34.02%	18054491.64
1178	Capsule	ESSENTIAL	25347	0.05%	34.06%	18079838.64
1182	Tablet	ESSENTIAL	3525.9	0.01%	34.07%	18083364.54
1196	Tablet	ESSENTIAL	7881	0.01%	34.09%	18091245.54
1198	Tablet	ESSENTIAL	114960.5	0.22%	34.30%	18206206.04
1199	Tablet	ESSENTIAL	627541	1.18%	35.48%	18833747.04
1202	Tablet	ESSENTIAL	7935	0.01%	35.50%	18841682.04
1205	Tablet	ESSENTIAL	16942.38	0.03%	35.53%	18858624.42
1207	Tablet	ESSENTIAL	3970.8	0.01%	35.54%	18862595.22
1208	Tablet	ESSENTIAL	32260.89	0.06%	35.60%	18894856.11
1214	Tablet	ESSENTIAL	12530.79	0.02%	35.62%	18907386.9
1222	Tablet	ESSENTIAL	10048.8	0.02%	35.64%	18917435.7
1226	Injection	ESSENTIAL	34.2	0.00%	35.64%	18917469.9
1227	Injection	ESSENTIAL	22050	0.04%	35.68%	18939519.9
1237	Injection	ESSENTIAL	32680	0.06%	35.75%	18972199.9
1247	Injection	ESSENTIAL	165600	0.31%	36.06%	19137799.9
1249	Injection	ESSENTIAL	5948.73	0.01%	36.07%	19143748.63
1250	Injection	ESSENTIAL	23320	0.04%	36.11%	19167068.63
1253	Injection	ESSENTIAL	160000	0.30%	36.41%	19327068.63
1254	Injection	ESSENTIAL	577660	1.09%	37.50%	19904728.63
1256	Injection	ESSENTIAL	15759.6	0.03%	37.53%	19920488.23
1257	Injection	ESSENTIAL	14798.7	0.03%	37.56%	19935286.93
1270	Injection	ESSENTIAL	2323.62	0.00%	37.56%	19937610.55
1271	Injection	ESSENTIAL	5777	0.01%	37.58%	19943387.55
1272	Injection	ESSENTIAL	65848.28	0.12%	37.70%	20009235.83
1276	Injection	ESSENTIAL	69560.11	0.13%	37.83%	20078795.94
1280	Injection	ESSENTIAL	13764.55	0.03%	37.86%	20092560.49
1283	Injection	ESSENTIAL	25315.2	0.05%	37.90%	20117875.69
1288	Injection	ESSENTIAL	411445	0.78%	38.68%	20529320.69
1313	Injection	ESSENTIAL	44888	0.08%	38.76%	20574208.69
1319	Injection	ESSENTIAL	347328	0.65%	39.42%	20921536.69
1320	Injection	ESSENTIAL	46226	0.09%	39.51%	20967762.69
1322	Injection	ESSENTIAL	13084	0.02%	39.53%	20980846.69
1323	Injection	ESSENTIAL	5980	0.01%	39.54%	20986826.69
1324	Injection	ESSENTIAL	5068.8	0.01%	39.55%	20991895.49
1325	Injection	ESSENTIAL	74614.13	0.14%	39.69%	21066509.62
1353	Injection	ESSENTIAL	4389	0.01%	39.70%	21070898.62
2003	Injection	ESSENTIAL	16554	0.03%	39.73%	21087452.62
2004	Injection	ESSENTIAL	5565.45	0.01%	39.74%	21093018.07
2005	Injection	ESSENTIAL	7056	0.01%	39.75%	21100074.07
2014	Injection	ESSENTIAL	38160	0.07%	39.83%	21138234.07
2015	Injection	ESSENTIAL	2557.8	0.00%	39.83%	21140791.87
2017	Injection	ESSENTIAL	16885.8	0.03%	39.86%	21157677.67
2023	Injection	ESSENTIAL	27409.15	0.05%	39.91%	21185086.82

2024	Injection	ESSENTIAL	1199520	2.26%	42.17%	22384606.82
2025	Injection	ESSENTIAL	26791.2	0.05%	42.23%	22411398.02
2026	Injection	ESSENTIAL	3509.5	0.01%	42.23%	22414907.52
2028	Injection	ESSENTIAL	1684541.43	3.17%	45.41%	24099448.95
2032	Injection	ESSENTIAL	3420	0.01%	45.41%	24102868.95
2034	Injection	ESSENTIAL	38869.6	0.07%	45.49%	24141738.55
2039	Injection	ESSENTIAL	49535.85	0.09%	45.58%	24191274.4
2044	Injection	ESSENTIAL	131046.11	0.25%	45.83%	24322320.51
2045	Injection	ESSENTIAL	6811.5	0.01%	45.84%	24329132.01
2046	Injection	ESSENTIAL	62177.5	0.12%	45.96%	24391309.51
2047	Injection	ESSENTIAL	94525	0.18%	46.13%	24485834.51
2048	Injection	ESSENTIAL	16472.1	0.03%	46.16%	24502306.61
2049	Injection	ESSENTIAL	154759.5	0.29%	46.46%	24657066.11
2050	Injection	ESSENTIAL	7474.71	0.01%	46.47%	24664540.82
2066	Injection	ESSENTIAL	68944.11	0.13%	46.60%	24733484.93
2088	Injection	ESSENTIAL	18603.95	0.04%	46.64%	24752088.88
2090	Injection	ESSENTIAL	4854.6	0.01%	46.64%	24756943.48
2093	Injection	ESSENTIAL	4698.4	0.01%	46.65%	24761641.88
2113	Injection	ESSENTIAL	334713.6	0.63%	47.28%	25096355.48
2114	Injection	ESSENTIAL	6710	0.01%	47.30%	25103065.48
2124	Injection	ESSENTIAL	43941	0.08%	47.38%	25147006.48
2129	Injection	ESSENTIAL	16038	0.03%	47.41%	25163044.48
2135	Injection	ESSENTIAL	24146.78	0.05%	47.46%	25187191.26
2138	Injection	ESSENTIAL	7548	0.01%	47.47%	25194739.26
2143	Injection	ESSENTIAL	206145	0.39%	47.86%	25400884.26
2144	Injection	ESSENTIAL	12375.2	0.02%	47.88%	25413259.46
2146	Injection	ESSENTIAL	4393	0.01%	47.89%	25417652.46
2151	Injection	ESSENTIAL	160037.5	0.30%	48.19%	25577689.96
2164	Injection	ESSENTIAL	14758.5	0.03%	48.22%	25592448.46
2187	Injection	ESSENTIAL	40076.25	0.08%	48.29%	25632524.71
2195	Injection	ESSENTIAL	20882	0.04%	48.33%	25653406.71
2197	Injection	ESSENTIAL	75177.44	0.14%	48.48%	25728584.15
2198	Injection	ESSENTIAL	162533.98	0.31%	48.78%	25891118.13
2203	Injection	ESSENTIAL	21185.4	0.04%	48.82%	25912303.53
2214	Injection	ESSENTIAL	84207.2	0.16%	48.98%	25996510.73
2215	Injection	ESSENTIAL	57834	0.11%	49.09%	26054344.73
2219	Injection	ESSENTIAL	396078	0.75%	49.84%	26450422.73
2229	Injection	ESSENTIAL	259220.4	0.49%	50.32%	26709643.13
2244	Injection	ESSENTIAL	26702	0.05%	50.37%	26736345.13
2248	Injection	ESSENTIAL	32270	0.06%	50.43%	26768615.13
2258	Suspension	ESSENTIAL	5362.5	0.01%	50.44%	26773977.63
2260	Suspension	ESSENTIAL	85164.3	0.16%	50.61%	26859141.93
2262	Cream	ESSENTIAL	238070	0.45%	51.05%	27097211.93
2274	Powder	ESSENTIAL	15590.9	0.03%	51.08%	27112802.83

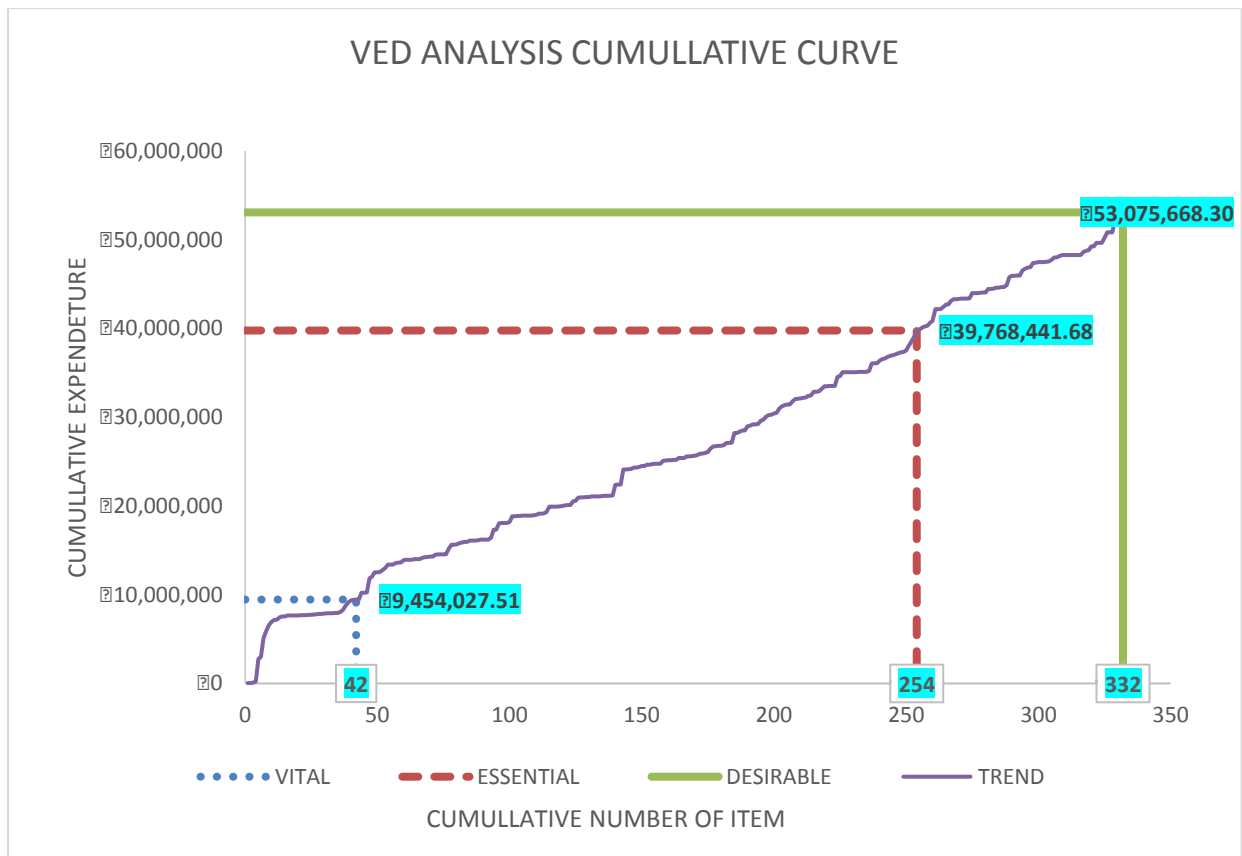
2278	solution	ESSENTIAL	28824.25	0.05%	51.14%	27141627.08
2280	Sachet	ESSENTIAL	1082340	2.04%	53.18%	28223967.08
2299	Eye Drop	ESSENTIAL	10020	0.02%	53.20%	28233987.08
2302	Ointment	ESSENTIAL	118340	0.22%	53.42%	28352327.08
3002	solution	ESSENTIAL	143384.8	0.27%	53.69%	28495711.88
3027	Ointment	ESSENTIAL	5854.42	0.01%	53.70%	28501566.3
3030	Cream	ESSENTIAL	489728.4	0.92%	54.62%	28991294.7
3058	Lotion	ESSENTIAL	69118.6	0.13%	54.75%	29060413.3
3060	Eye Drop	ESSENTIAL	136320.8	0.26%	55.01%	29196734.1
3073	solution	ESSENTIAL	11657.24	0.02%	55.03%	29208391.34
3081	Syrup	ESSENTIAL	19182.27	0.04%	55.07%	29227573.61
3088	Injection	ESSENTIAL	350004.24	0.66%	55.73%	29577577.85
3105	solution	ESSENTIAL	163420.95	0.31%	56.04%	29740998.8
3106	Suspension	ESSENTIAL	328419	0.62%	56.65%	30069417.8
3117	Sachet	ESSENTIAL	172437.06	0.32%	56.98%	30241854.86
3134	Syrup	ESSENTIAL	34576.57	0.07%	57.04%	30276431.43
3138	Jelly	ESSENTIAL	128232	0.24%	57.29%	30404663.43
3139	Ointment	ESSENTIAL	73499	0.14%	57.42%	30478162.43
3140	solution	ESSENTIAL	485805.6	0.92%	58.34%	30963968.03
3200	Syrup	ESSENTIAL	264406.58	0.50%	58.84%	31228374.61
3218	Injection	ESSENTIAL	142836.48	0.27%	59.11%	31371211.09
3241	Suspension	ESSENTIAL	43680	0.08%	59.19%	31414891.09
3246	Miscellaneous	ESSENTIAL	6866.88	0.01%	59.20%	31421757.97
4002	Miscellaneous	ESSENTIAL	354582.8	0.67%	59.87%	31776340.77
4005	Miscellaneous	ESSENTIAL	279986.38	0.53%	60.40%	32056327.15
4013	Ointment	ESSENTIAL	22750.5	0.04%	60.44%	32079077.65
4015	Ointment	ESSENTIAL	51460.5	0.10%	60.54%	32130538.15
4020	Miscellaneous	ESSENTIAL	43316.5	0.08%	60.62%	32173854.65
4021	Ointment	ESSENTIAL	34577.28	0.07%	60.68%	32208431.93
4024	Miscellaneous	ESSENTIAL	187123.52	0.35%	61.04%	32395555.45
4142	Syrup	ESSENTIAL	32925.52	0.06%	61.10%	32428480.97
4182	solution	ESSENTIAL	447819.07	0.84%	61.94%	32876300.04
4188	Miscellaneous	ESSENTIAL	9460.5	0.02%	61.96%	32885760.54
4189	Powder	ESSENTIAL	14924.7	0.03%	61.99%	32900685.24
4190	Jelly	ESSENTIAL	244534.4	0.46%	62.45%	33145219.64
4194	solution	ESSENTIAL	328081.35	0.62%	63.07%	33473300.99
4228	Miscellaneous	ESSENTIAL	11162.25	0.02%	63.09%	33484463.24
4230	Miscellaneous	ESSENTIAL	30565.5	0.06%	63.15%	33515028.74
4232	solution	ESSENTIAL	369.43	0.00%	63.15%	33515398.17
4278	Suspension	ESSENTIAL	2276	0.00%	63.15%	33517674.17
4283	Miscellaneous	ESSENTIAL	1021162.5	1.92%	65.07%	34538836.67
4305	Inhaler	ESSENTIAL	113730	0.21%	65.29%	34652566.67
4307	Powder	ESSENTIAL	406180.5	0.77%	66.05%	35058747.17
4308	Syrup	ESSENTIAL	4606.56	0.01%	66.06%	35063353.73

4310	Miscellaneous	ESSENTIAL	5060	0.01%	66.07%	35068413.73
4312	Miscellaneous	ESSENTIAL	10408.25	0.02%	66.09%	35078821.98
4313	Miscellaneous	ESSENTIAL	3074	0.01%	66.10%	35081895.98
4314	Miscellaneous	ESSENTIAL	4455	0.01%	66.11%	35086350.98
4315	Miscellaneous	ESSENTIAL	7896	0.01%	66.12%	35094246.98
4316	Miscellaneous	ESSENTIAL	7986.6	0.02%	66.14%	35102233.58
4317	Miscellaneous	ESSENTIAL	2888.35	0.01%	66.14%	35105121.93
6078	Surgical Material	ESSENTIAL	13305.7	0.03%	66.17%	35118427.63
6081	Surgical Material	ESSENTIAL	88780.8	0.17%	66.33%	35207208.43
6137	Surgical Material	ESSENTIAL	841589.12	1.59%	67.92%	36048797.55
6155	Surgical Material	ESSENTIAL	40363.4	0.08%	68.00%	36089160.95
6155	Surgical Material	ESSENTIAL	10000	0.02%	68.01%	36099160.95
6158	Surgical Material	ESSENTIAL	257500	0.49%	68.50%	36356660.95
6159	Surgical Material	ESSENTIAL	192500	0.36%	68.86%	36549160.95
6160	Surgical Material	ESSENTIAL	82500	0.16%	69.02%	36631660.95
6161	Surgical Material	ESSENTIAL	182500	0.34%	69.36%	36814160.95
6162	Surgical Material	ESSENTIAL	109500	0.21%	69.57%	36923660.95
6163	Surgical Material	ESSENTIAL	72500	0.14%	69.70%	36996160.95
6164	Sutures	ESSENTIAL	105000	0.20%	69.90%	37101160.95
6165	Sutures	ESSENTIAL	112500	0.21%	70.11%	37213660.95
6166	Sutures	ESSENTIAL	85000	0.16%	70.27%	37298660.95
6167	Sutures	ESSENTIAL	45000	0.08%	70.36%	37343660.95
6170	Sutures	ESSENTIAL	182500	0.34%	70.70%	37526160.95
6171	Sutures	ESSENTIAL	547985.78	1.03%	71.74%	38074146.73
6172	Sutures	ESSENTIAL	447959.4	0.84%	72.58%	38522106.13
6173	Sutures	ESSENTIAL	546262.51	1.03%	73.61%	39068368.64
6175	Sutures	ESSENTIAL	700073.04	1.32%	74.93%	39768441.68
1021	Sutures	DESIRABLE	112318.8	0.21%	75.14%	39880760.48
1029	Sutures	DESIRABLE	196375.98	0.37%	75.51%	40077136.46
1038	Sutures	DESIRABLE	144744.75	0.27%	75.78%	40221881.21
1125	Sutures	DESIRABLE	76356	0.14%	75.93%	40298237.21
1127	Sutures	DESIRABLE	325385.96	0.61%	76.54%	40623623.17
1172	Sutures	DESIRABLE	228928	0.43%	76.97%	40852551.17
1185	Sutures	DESIRABLE	1314390	2.48%	79.45%	42166941.17
1200	Sutures	DESIRABLE	10333.4	0.02%	79.47%	42177274.57
1213	Sutures	DESIRABLE	14625	0.03%	79.49%	42191899.57
1240	Sutures	DESIRABLE	207126	0.39%	79.88%	42399025.57
1251	Sutures	DESIRABLE	292831.47	0.55%	80.44%	42691857.04
1260	Sutures	DESIRABLE	37885.77	0.07%	80.51%	42729742.81

1267	Sutures	DESIRABLE	383187	0.72%	81.23%	43112929.81
1287	Sutures	DESIRABLE	182717.08	0.34%	81.57%	43295646.89
2010	Sutures	DESIRABLE	788.32	0.00%	81.57%	43296435.21
2027	Sutures	DESIRABLE	48944.7	0.09%	81.67%	43345379.91
2029	Surgical Material	DESIRABLE	25158.4	0.05%	81.71%	43370538.31
2041	Surgical Material	DESIRABLE	3582	0.01%	81.72%	43374120.31
2042	Surgical Material	DESIRABLE	9124.15	0.02%	81.74%	43383244.46
2121	Surgical Material	DESIRABLE	20217.6	0.04%	81.78%	43403462.06
2147	Surgical Material	DESIRABLE	561363.17	1.06%	82.83%	43964825.23
2228	Surgical Material	DESIRABLE	24738	0.05%	82.88%	43989563.23
2250	Surgical Material	DESIRABLE	3280	0.01%	82.89%	43992843.23
2263	Sutures	DESIRABLE	25206.8	0.05%	82.93%	44018050.03
2276	Surgical Material	DESIRABLE	40400	0.08%	83.01%	44058450.03
2301	Surgical Material	DESIRABLE	7215.86	0.01%	83.02%	44065665.89
2305	Surgical Material	DESIRABLE	367494	0.69%	83.72%	44433159.89
3003	Surgical Material	DESIRABLE	29559.6	0.06%	83.77%	44462719.49
3015	Surgical Material	DESIRABLE	24273.6	0.05%	83.82%	44486993.09
3018	Surgical Material	DESIRABLE	98800	0.19%	84.00%	44585793.09
3023	Surgical Material	DESIRABLE	22606	0.04%	84.05%	44608399.09
3026	Surgical Material	DESIRABLE	43282.8	0.08%	84.13%	44651681.89
3029	Sutures	DESIRABLE	29680.02	0.06%	84.18%	44681361.91
3036	Sutures	DESIRABLE	211091.73	0.40%	84.58%	44892453.64
3054	Sutures	DESIRABLE	883425.76	1.66%	86.25%	45775879.4
3057	Sutures	DESIRABLE	146395.02	0.28%	86.52%	45922274.42
3070	Sutures	DESIRABLE	19755.27	0.04%	86.56%	45942029.69
3080	Sutures	DESIRABLE	22317	0.04%	86.60%	45964346.69
3090	Sutures	DESIRABLE	16200	0.03%	86.63%	45980546.69
3098	Sutures	DESIRABLE	573163.5	1.08%	87.71%	46553710.19
3100	Sutures	DESIRABLE	155191.55	0.29%	88.00%	46708901.74
3142	Sutures	DESIRABLE	160196.21	0.30%	88.31%	46869097.95
3143	Surgical Material	DESIRABLE	22950	0.04%	88.35%	46892047.95
3174	Disposable	DESIRABLE	480767.76	0.91%	89.26%	47372815.71
3175	Disposable	DESIRABLE	47879.37	0.09%	89.35%	47420695.08
3203	Disposable	DESIRABLE	48195	0.09%	89.44%	47468890.08
3209	Disposable	DESIRABLE	21995.05	0.04%	89.48%	47490885.13
3211	Disposable	DESIRABLE	4410	0.01%	89.49%	47495295.13

3214	Disposable	DESIRABLE	34315.4	0.06%	89.55%	47529610.53
3216	Disposable	DESIRABLE	14355.7	0.03%	89.58%	47543966.23
3223	Disposable	DESIRABLE	188741.42	0.36%	89.93%	47732707.65
3235	Disposable	DESIRABLE	262999.41	0.50%	90.43%	47995707.06
3239	Disposable	DESIRABLE	18148.4	0.03%	90.46%	48013855.46
3243	Instrument	DESIRABLE	164181	0.31%	90.77%	48178036.46
3245	Surgical Material	DESIRABLE	84678.75	0.16%	90.93%	48262715.21
3302	Surgical Material	DESIRABLE	3564	0.01%	90.94%	48266279.21
3303	Instrument	DESIRABLE	3564	0.01%	90.95%	48269843.21
3304	Instrument	DESIRABLE	4029.3	0.01%	90.95%	48273872.51
3305	Surgical Material	DESIRABLE	4029.3	0.01%	90.96%	48277901.81
3306	Surgical Material	DESIRABLE	3564	0.01%	90.97%	48281465.81
3309	Surgical Material	DESIRABLE	3760	0.01%	90.97%	48285225.81
3310	Surgical Material	DESIRABLE	3375.9	0.01%	90.98%	48288601.71
4004	Surgical Material	DESIRABLE	302805.68	0.57%	91.55%	48591407.39
4006	Surgical Material	DESIRABLE	141659.2	0.27%	91.82%	48733066.59
4009	Surgical Material	DESIRABLE	71579.6	0.13%	91.95%	48804646.19
4017	Surgical Material	DESIRABLE	447101.4	0.84%	92.80%	49251747.59
4198	Surgical Material	DESIRABLE	2874.05	0.01%	92.80%	49254621.64
4207	Surgical Material	DESIRABLE	402727.5	0.76%	93.56%	49657349.14
4275	Surgical Material	DESIRABLE	4.38	0.00%	93.56%	49657353.52
4291	Surgical Material	DESIRABLE	1956	0.00%	93.56%	49659309.52
4293	Surgical Material	DESIRABLE	513005	0.97%	94.53%	50172314.52
4294	Surgical Material	DESIRABLE	657675	1.24%	95.77%	50829989.52
4309	Surgical Material	DESIRABLE	3958.59	0.01%	95.78%	50833948.11
6136	Surgical Material	DESIRABLE	17860.2	0.03%	95.81%	50851808.31
6157	Surgical Material	DESIRABLE	1450037.4	2.73%	98.54%	52301845.71
6168	Surgical Material	DESIRABLE	123500	0.23%	98.77%	52425345.71
6169	Surgical Material	DESIRABLE	152500	0.29%	99.06%	52577845.71
6174	Surgical Material	DESIRABLE	497822.59	0.94%	100.00%	53075668.3

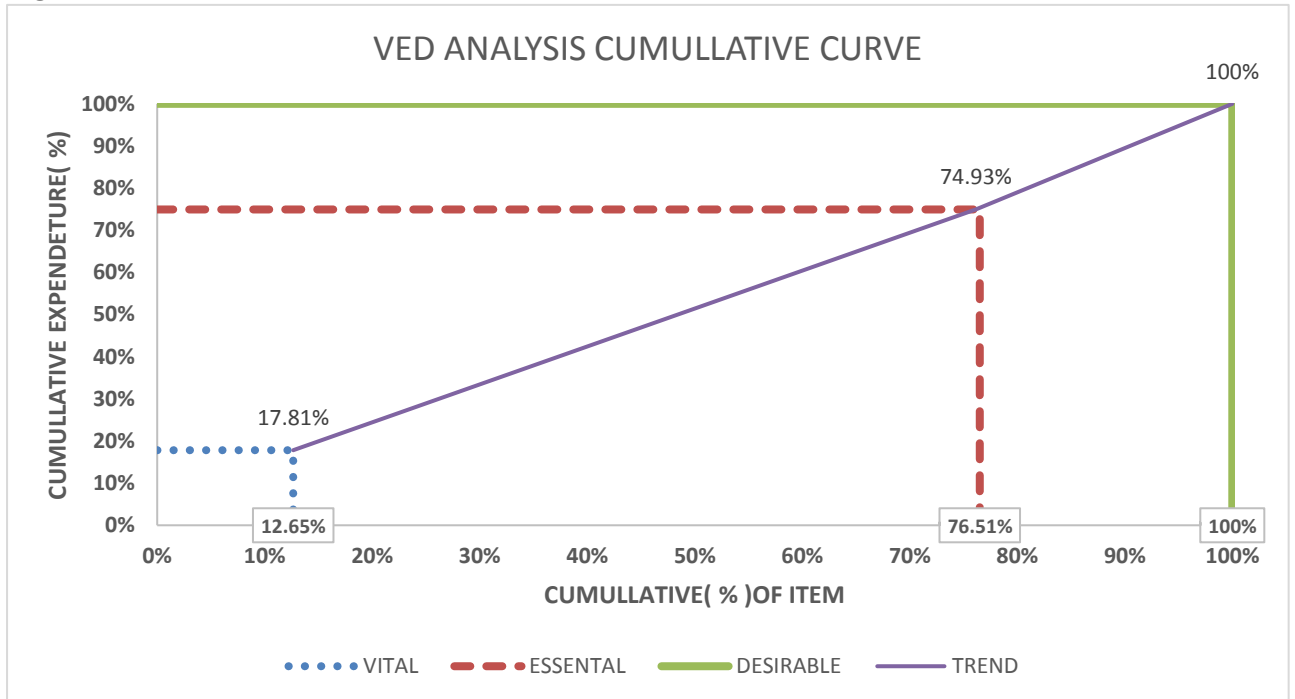
Figure-6



From VED analysis it was found that

- 42 Number of item are Vital which constitute value of worth ₹9,454,027 of the total expenditure
- 212 Number of item are Essential which constitute value of worth ₹30,314,414 of the total expenditure
- 78 Number of item are Desirable which constitute value of worth ₹13,307,227 of the total expenditure

Figure-7



- 12.65% of item is found to be vital which constitute 17.81% of the total expenditure of the inventory
- 63.68% of item is found to be Essential which constitute 57.12% of the total expenditure of the inventory
- 25.67% of item is found to be Desirable which constitute 25.07% of the total expenditure of the inventory

Matrix of ABC & VED Analysis

	A	B	C	Total
V	7 7,410,823.84	9 1,650,335.50	26 584,071.71	42 9,645,231.05
E	31 20,160,849.22	38 6,410,908.88	142 3,301,534.58	211 29,873,292.68
D	17 9,392,509.36	18 3,193,966.15	43 584,071.71	78 13,170,547.22
Total	55 36,964,182.42	65 11,255,210.53	211 4,469,678.00	331 52,689,070.95

Class of Drugs	% in Total Volume of drugs	% in Total Value of Drugs
AV	2.11	14.07
BV	2.72	3.13
CV	7.85	1.11
AE	9.37	38.26
BE	11.48	12.17
DE	42.90	6.27
AD	5.14	17.83
BD	5.44	6.06
CD	12.99	1.11

RECOMMENDATION

- The Above research was based on two different inventory control technique
- In ABC inventory management technique inventory was categorise according to price of the drug as high, medium, and low price
- In VED analysis inventory was classified according to necessity or important of drug that is high important medium and low important
- But out of these two-inventory control technique ABC analysis is more efficient for the Vadodara warehouse As in this technique if focus will be made on 16.5% of item that is 55 number of item out of 332 item 70% of the inventory having value 36964812 out of total 53075668
- Where as in VED analysis E Category of item which is 63.68% that is 212 number of item out of 332 item constitute only 57%of the value that is 9454027 out of 53075668 total value of inventory

- So, ABC inventory management technique is more efficient as it requires less financial source and workforce for controlling large portion of inventory values
- From the ABC VED matrix we concluded that “CD” class of drugs accounts for less value, so it should be discarded from the warehouse.
- The AE class of drugs constitute large no. value so proper forecasting should be done at the time of procurement.

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